JOURNAL OF
Polymer Science

Combined Author Index to Volume 35

This index covers the Polymer Chemistry and Polymer Physics Editions of the *Journal of Polymer Science,* Vol. Author Index—Volume 35, 1997. The Edition in which an item appears is indicated by a C or P, respectively, following the page number.

Abdelrazzaq, F. B See Belfield, K. D., 2207C
Abed, J. C.
—; Mercier, R.; McGrath, J. E.: Synthesis and Characterization of New Phosphorus and Other Heteroatom Containing Aryl Cyanate Ester Monomers and Networks, 977C
Abe, T. See Sanda, F., 2619C
Abis, L. See Po′, R., 3241C
Adão, M. H. See Gomes, C. M., 407P
Adedeji, A. See Ho, R., 2857P
Agi, Y.
—; Walt, D. R.: Fluorescence Monitoring of the Microenvironmental pH of Highly Charged Polymers, 2105C
Ahmetzade, M. See Coşkun, M., 2123C
Ahn, T.-K. See Lee, H., 1633P; Park, Y., 807P
Ajroldi, G. See Staccione, A., 2073P
Akashi, M. See Capek, I., 3131C; Chen, C.-W., 1329C; Suwa, K., 1763C, 3087C, 3377C
Akbulut, U. See Göksel, C., 3735C; Selampinar, F., 3009C
Alamo, R. G. See Graham, J. T., 213P; Isasi, J. R., 2511P, 2945P
Albert, C. F.
—; Busfield, W. K.: Identifying Crosslinks in Polyethylene following Gamma-Irradiation in Acetylene: A Model Compound Study, 1549C
Albertsson, A.-C. See Palmgren, R., 1635C
Albizzati, E.
—; Giannini, U.; Balbontin, G.; Camurati, I.; Chadwick, J. C.; Dall'occo, T.; Dubitsky, Y.; Galimberti, M.; Morini, G.; Maldotti, A.: Propylene Polymerization with Catalysts Containing Divalent Titanium, 2645C
Albores-Velasco, M. See Cardoso, J., 479P
Alegría, A. See De Abajo, J., 203P
Alexander, M. D., Jr. See Spry, R. J., 2925P
Ali Alsalami, F. M. See Pyriadi, T. M., 3125C
Alici, B. See Seçkin, T., 2411C
Almdal, K. See Stepanek, P., 1643P
Amalvy, J. I. See Schoonbrood, H. A. S., 2561C
Amano, M. See Nakamura, S., 3359C
Amanulla, S.
—; Jain, S. R.: Synthesis and Characterization of Epoxy Resins Based on *N,N′*-Aliphatic Dicarboxyl Bis(hydrazones), 2835C
Amash, A.
—; Zugenmaier, P.: Dynamic Mechanical Investigations on Drawn Samples of Isotactic Polypropylene/EPM–Rubber Blend, 1439P
Amiridis, M. D. See Ho, C., 2907C
Amis, E. J. See Li, S., 2935P; Prosa, T. J., 2913P
Amor, F. See Sernetz, F. G., 1571C
Amos, L. W. See Kim. M. G., 3275C
Anand, R. C. See Madan, R., 2917C; Varma, I. K., 2323C
Anderson, J. D. See Wagener, K. B., 3441C
Anderson, K. J. See Kannurpatti, A. R., 2297P
Andersons, J. See Leterrier, Y., 1449P, 1463P
Anders, S. H.
—; Krbecek, H. H.; Pietralla, M.: Longitudinal Sound Velocity in Uniaxially Stretched Rubberlike Polymers, 1661P
Andrady, A. L.
—; Xu, P.: Elastic Behavior of Chitosan Films, 517P
Andrews, S. M. See Broadbelt, L. J., 3305C
Annis, B. K.
—; Hopkins, A. R.; Rasmussen, P. G.; Basheer, R. A.: Structural Investigation of Polyaniline/Nylon 6 Blends by Small-Angle Neutron Scattering and Small- and Wide-Angle X-ray Scattering, 2765P
Anseth, J. W. See Kannurpatti, A. R., 2297P
Antoun, S.
—; Teyssié, Ph.; Jérôme, R.: Anionic Polymerization of

Methacrylate Monomers Initiated by Lithium Dialkylamides, 3637C
Anwaruddin, Q. See Pazhanisamy, P., 193C
Aoi, K. See Miyamoto, M., 993C; Okada, M., 2729C
Aoki, H.
—; Tokuda, T.; Nagasaki, Y.; Kato, M.: Water-Soluble Silicon Containing Polymer Resist, 2827C
Aoshima, S. See Kaita, S., 2591C
Apostolo, M.
—; Tredici, A.; Morbidelli, M.; Varma, A.: Propagation Velocity of the Reaction Front in Addition Polymerization Systems, 1047C
Araki, T. See Yoshizako, K., 2747C
Arest-Yakubovich, A. A.
On the Kinetics of Lithium-Initiated Anionic Polymerization in Nonpolar Solvents, 3613C
Ariff, M. See Pazhanisamy, P., 193C
Armes, S. P. See Patrickios, C. S., 1181C
Arnold, F. E. See Spry, R. J., 2925P
Asanaga, H. See Tashiro, K., 1677P
Asano, M. See Nagaoka, N., 3075C
Ashbaugh, J. R. See Shaffer, T. D., 329C
Ashida, T. See Gatenholm, P., 1461C
Asua, J. M. See Schoonbrood, H. A. S., 2561C
Atkins, E. D. T. See Jones, N. A., 675P
Auger, M. See Désilets, S., 2991C
Auman, B. C.
—; Myers, T. L.; Higley, D. P.: Synthesis and Characterization of Polyimides Based on New Fluorinated 3,3′-Diaminobiphenyls, 2441C
Auriemma, F. See Russo, G., 889P
Avakian, P. See Sauer, B. B., 2121P
Avci, D.
—; Haynes, C.; Mathias, L. J.: Cyclopolymerization of Amine-Linked Diacrylate Monomers, 2111C
Avgeropoulos, A.
—; Hadjichristidis, N.: Synthesis of Model Nonlinear Block Copolymers of $A(BA)_2$, $A(BA)_3$, and $(AB)_3A(BA)_3$ Type, 813C
Azuma, N.
—; Sanda, F.; Takata, T.; Endo, T.: Cationic Polymerization Behavior of Seven-Membered Cyclic Sulfite, 3673C
—; Sanda, F.; Takata, T.; Endo, T.: Cationic Ring-Opening Copolymerization of Seven-Membered Cyclic Sulfite and Oxetane in One-Shot Feeding, 1007C
—; Sanda, F.; Takata, T.; Endo, T.: First Observation of Equilibrium Polymerization of Cyclic Sulfite, 3235C

Badran, A. S. See Shaffie, K. A., 3141C
Bae, H.
—; Hudson, S. M.: The Cooperative Binding Behavior of Sodium Dodecyl Sulfate to Crosslinked Chitosan Films, 3755C
Bag, D. S.
—; Maiti, S.: X-Ray Photoelectron Spectroscopy: A New Method for Determination of Copolymer Composition, and Monomer Reactivity Ratios and Monomer Sequence Distribution Therefrom, 2049P
Baidak, A. A.
—; Liégeois, J. M.; Sperling, L. H.: Simultaneous Interpenetrating Polymer Networks Based on Epoxy–Acrylate Combinations, 1973P
Bailey, L. See Choi, C., 2551P
Bai, S. J. See Spry, R. J., 2925P; Tan, L.-S., 1909C
Baker, G. See Yu, K. H., 2787P
Baker, W. E. See Forsyth, J. C., 3517C
Balakrishnan, T.
—; Rajendran, V.: Polymer-Supported Reagents. II. Kinetics of Esterification of Acrylic Acid with *n*-Butanol Using Polymer Supported Titanium Tetrachloride as Catalyst, 727C
Balbontin, G. See Albizzati, E., 2645C
Bales, S. E. See Marks, M. J., 385C
Balik, C. M. See Ratway, R. J., 1651P
Balsara, N.
Review of State of the Art in Polymer Science ł Engineering in India, 2811C
Ban, M. See Ledono, K., 1601P
Barabanov, W. P. See Brenerman, M. L., 33P
Barbari, T. A.
Dual-Mode Free Volume Model for Diffusion of Gas Molecules in Glassy Polymers, 1737P
Barbari, T. A. See Hong, S. U., 1261P
Bar, G. See Hölderle, M., 2539C
Barham, P. J. See Organ, S. J., 1775P
Barrales-Rienda, J. M. See López-González, M. M. C., 3409C; Quijada-Garrido, I., 1473P
Barson, C. A.
—; Bevington, J. C.: Further Studies of End Groups Derived from Benzoyl Peroxide, 2955C
Barton, B. F.
—; Reeve, J. L.; McHugh, A. J.: Observations on the Dynamics of Nonsolvent-Induced Phase Inversion, 569P
Basheer, R. A. See Annis, B. K., 2765P
Bates, F. S. See Fredrickson, G. H., 2775P; Matsen, M. W., 945P
Bauer, B. J. See Prosa, T. J., 2913P
Beckman, E. J. See Singley, E. J., 2533C
Beck, M. I.
—; Tomka, I.: Sorption and Diffusion of Oxygen in Plasticized Ethyl Cellulose Films of Varying Degrees of Substitution, 639P
Belali, R.
—; Vigoureux, J.-M.; Morvan, J.: Infrared Dichroism and Polymer Orientation in Attenuated Total Reflection. Theoretical Considerations, 1361P

Belamie, E.
—; Domard, A.; Giraud-Guille, M.: Study of the Solid-State Hydrolysis of Chitosan in Presence of HCl, 3181C
Belcheva, N.
—; Tsvetanov, C.; Smid, J.: Ion Binding Properties of Poly(ethylene oxide)-based Networks in Dioxane and Toluene, 1819C
Belfield, K. D.
—; Abdelrazzaq, F. B: Novel Photoinitiated Cationic Copolymerizations of 4-Methylene-2-phenyl-1,3-dioxolane, 2207C
Bello, A. See Grimau, M., 2483P
Benmouna, M.
—; Khaldi, S.; Bensafi, A.: Dynamic Scattering Properties of Mixtures of Cyclic and Linear Homopolymers and Copolymers, 1191P
Bensafi, A. See Benmouna, M., 1191P
Bergeret, A. See Perrier, G., 1349P
Berlinova, I. V.
—; Dimitrov, I. V.; Gitsov, I.: Star-Graft Copolymers. Synthesis of Amphiphilic Graft Copolymers with Star-branched Poly(oxyethylene) Side Chains, 673C
Berner, B. See Li, X., 3571C
Bertault, M. See Even, J., 789P
Bevington, J. C. See Barson, C. A., 2955C
Bevis, M. J. See Kalay, G., 241P, 265P, 415P
Bhattacharya, M. See John, J., 1139C
Bhowmik, P. K. See Han, H., 769C
Bianchi, R. See Russo, G., 889P
Biçak, N.
—; Şenkal, B. F.: Aldehyde Separation by Polymer-Supported Oligo (ethyleneimines), 2857C
Bicerano, J.
—; Grant, N. K.; Seitz, J. T.; Pant, K.: Microstructural Model for Prediction of Stress–Strain Curves of Amorphous and Semicrystalline Elastomers, 2715P
Billingham, N. C. See Patrickios, C. S., 1181C
Binder, K.
—; Paul, W.: Monte Carlo Simulations of Polymer Dynamics: Recent Advances, 1P
Blair, W. R. See Guttman, C. M., 2409P
Blythe, P. J.
—; Sudol, E. D.; El-Aasser, M. S.: Effect of the Dipotassium Salt of 2,5-Dihydroxy-1,4-Benzene Disulfonic Acid on the Kinetics of Miniemulsion Polymerizations Initiated with an Oil-Soluble Initiator, 807C
Bogunovic, L. J. See Tenc-Popovic, M. E., 1369C, 1363C
Böhning, M. See Xu, Z.-K., 1855P
Boileau, S. See Rózga-Wijas, K., 879C
Bolton, D. H.
—; Wooley, K. L.: Synthesis of Polycarbonates by a Silicon-Assisted Alkoxy/carbonylimidazolide Coupling Reaction, 1133C
Bondar, V. I. See Krykin, M. A., 1339P
Boogh, L. See Leterrier, Y., 1449P
Borbely, J.
Review of Multidimensional Solid-State NMR and Polymers, 975C
Borbély, J. See Liaw, D.-J., 3527C
Boris, D. C. See Colby, R. H., 2951P
Borowski, R. See Weidner, S., 2183C
Bosch, P. See Mateo, J. L., 2889C
Bowman, C. N. See Kannurpatti, A. R., 2297P
Bowman, K. B. See Colucci, D. M., 1561P
Brecl, M.
—; Malavašič, T.: Synthesis and Characterization of Side-Chain Liquid Crystal Polyurethanes, 2871C
Brenerman, M. L.
—; Manyurov, I. R.; Tukhvatullin, R. G.; Barabanov, W. P.: On the Interaction of Single-Charged Counterions With a Macroion in Arbitrary Media, 33P
Brenn, R. See Straub, W., 2083P
Briber, R. M. See Fodor, J. S., 1067P
Brigodiot, M. See Emery, O., 3331C; Valiente, N., 27C, 35C
Brion, H. G. See Pönitsch, M., 2397P
Brisson, J. See Nakata, S., 2379C
Brittain, W. J. See Ruth, W. G., 163C
Broadbelt, L. J.
—; Klein, M. T.; Dean, B. D.; Andrews, S. M.: Thermal Stability of Aliphatic-Aromatic Polyamide Model Compounds: Structure–Reactivity Relationships in the Catalyzed Thermal Reaction of Benzamides in the Presence of Copper Halides, 3305C
Bromberg, L.
Effect of Quinone Derivatives and Sulfhydryl Compounds on Swelling of Poly(4-vinylpyridine) Gels in Organic Solvents, 795C
Brooks, N. W.
—; Unwin, A. P.; Duckett, R. A.; Ward, I. M.: Temperature and Strain Rate Dependence of Yield Strain and Deformation Behavior in Polyethylene, 545P
Broomall, C. F. See McGee, R. L., 2157C
Brott, L. L. See Larmat, F., 3627C
Brown, W.
—; Stepanek, P.: Dynamic Light Scattering of Poly(*n*-laurylmethacrylate) in the Melt and in Concentrated Ethyl Acetate Solutions, 1013P
Bruin, P. See Li, L., 979P
Brzezinska, K. See Wagener, K. B., 3441C
Bucca, D.
—; Keller, T. M.: Thermally and Oxidatively Stable Thermosets Derived from Preceramic Monomers, 1033C
Buckley, L. J. See Eashoo, M., 173P
Bueno, M.
—; Zamora, F.; Molina, I.; Orgueira, H. A.; Varela, O.; Galbis, J. A.: Synthesis and Characterization of Optically Active Polyamides Derived

from Carbohydrate-Based Monomers, 3645C
Bullions, T. See Tan, B., 2943C
Bunning, T. J.
—; Natarajan, L. V.; Tondiglia, V. P.; Dougherty, G.; Sutherland, R. L.: Morphology of Anisotropic Polymer-Dispersed Liquid Crystals and the Effect of Monomer Functionality, 2825P
Busfield, W. K.
—; Jenkins, I. D.; Monteiro, M. J.: Initiation Mechanisms in Copolymerization: Reaction of *t*-Butoxyl Radicals with Co-Monomers Ethyl Vinyl Ether and Methyl Methacrylate, 263C
—; See Albert, C. F., 1549C
Buyle Padias, A. See Kanbara, T., 2787C; Parker, D. D., 2703C
Buzin, M. I.
—; Gerasimov, M. V.; Obolonkova, E. S.; Papkov, V. S.: Solid-State Polymerization of Hexaphenylcyclotrisiloxane, 1973C

Cabasso, I. See Lin, S., 889C
Cai, R.-F. See Chen, Y., 1185P
Calderara, I.
—; Gougeon, R.; Delmotte, L.; Lemee, V.; Lougnot, D. J.: NMR Study of the Structure and Properties of Poly(MMA-*co*-VP) Crosslinked Hydrogels, 3619C
Callejo Cudero, M. J. See López-González, M. M. C., 3409C
Camelio, P.
—; Cypcar, C. C.; Lazzeri, V.; Waegell, B.: A Novel Approach Toward the Prediction of the Glass Transition Temperature: Application of the EVM Model, a Designer QSPR Equation for the Prediction of Acrylate and Methacrylate Polymers, 2579C
Campbell, G. A. See Liu, J., 1105C
Campos, R. See Medellin-Rodriguez, F. J., 1757P
Camurati, I. See Albizzati, E., 2645C
Canivet, I. See Demoustier-Champagne, S., 1939C
Canova, L. See Debier, D., 749P
Cantow, H. J. See Urbanovici, E., 359P
Cao, G. See Tang, H., 2385P
Capek, I.
—; Riza, M.; Akashi, M.: Dispersion Copolymerization of Poly(oxyethylene) Macromonomers and Styrene, 3131C
Cardoso, J.
—; Manrique, R.; Albores-Velasco, M.; Huanosta, A.: Synthesis, Characterization, and Thermal and Dielectric Properties of Three Different Methacrylate Polymers with Zwitterionic Pendant Groups, 479P
Carella, J. See Tomba, P., 2435P
Carrasco, B. See Navarro, S., 689P
Carreau, P. J. See Mekhilef, N., 293P
Carr, P. L.
—; Jakeways, R.; Klein, J. L.; Ward, I. M.: Tensile Drawing, Morphology and Mechanical Properties of Poly(butylene terephthalate), 2465P
Carter, K. R. See Fodor, J. S., 1067P
Casagrande, A. See Laus, M., 681C
Casillas, C. G. See Pinnau, I., 1483P
Cassanas, G. See Trompette, J. L., 2535P
Cassidy, P. E. See Konno, K., 605C, 2267C
Cavallo, C. See Viola, G. T., 17C
Cella, J. See Tan, B., 2943C
Çetinkaya, E. See Seçkin, T., 2411C
Chabanne, P. See Matějka, L., 651C, 665C
Chadwick, J. C. See Albizzati, E., 2645C
Chalamet, Y.
—; Taha, M.: Carboxyl Terminated Polyamide 12 Chain Extension Using a Dioxazoline Coupling Agent, 3697C
Champagne, M. F. See Luciani, A., 1393P
Chang, C.-I. See Wang, C., 2003P, 2017P
Chang, C.-S. See Liu, J.-M., 3393C
Chang, F.-C. See Lin, M.-L., 2169P, 2183P
Chang, H.-L. See Hsu, C.-S., 2793C
Chang, K.-H. See Lin, M.-L., 2169P, 2183P
Chang, M. C. O.
—; Nemeth, R. L.: Rubber Particle Agglomeration Phenomena in Acrylonitrile-Butadiene-Styrene (ABS) Polymers. II. Rubber Particle Agglomeration Elucidated by a Thermodynamic Theory, 553P
Chang, P. See Liaw, D.-J., 2453C
Chang, T. See Hsu, L., 2843C
Chang, T.-C. See Kricheldorf, H. R., 1611C
Chan, K. K. See Li, P., 1863C
Cha, S.-K.
Electropolymerization Rates of Polythiophene/Polypyrrole Composite Polymer with Some Dopant Ions, 165P
Chen, C.-P. See Kricheldorf, H. R., 1611C
Chen, C.-W.
—; Akashi, M.: Preparation of Ultrafine Platinum Particles Protected by Poly(*N*-isopropylacrylamide) and Their Catalytic Activity in the Hydrogenation of Allyl Alcohol, 1329C
Cheng, C.-H. See Lin, K.-F., 2469C
Cheng, R. See Liu, M., 2421P
Chen, H.-Z.
—; Wang, M.; Yang, S.-L.: Synthesis and Photoconductivity Study of Phthalocyanine Polymers. IV. $[SiPcNHCH_2CH_2NH]_n$, 959C
—; Wang, M.; Yang, S.-L.: Synthesis and Photoconductivity Study of Phthalocyanine Polymers. V. 4,4′-Diamino-diphenyl Ether Bridged Polymeric SiPc, 91C
Chen, J. P.
—; Gao, J. P.; Wang, Z. Y.: Preparation and Photochemical Study of Soluble Optically Active Block Copolymethacrylates and Azo-Containing Random Copolymethacrylates, 9C
Chen, K.-H. See Chen, Y., 613C

Chen, L.
—; Yu, X.-H.; Yang, C.-Z.; Gu, Q. C.; Hu, T.-D.; Xie, Y.-N.: Synthesis and Characterization of Model Polyether-ester Ionomers, 799P
Chen, L. See Li, L., 979P
Chen, L. W.
—; Ho, K. S.: Synthesis of Polyamide-imide by Blocked-Methylene Diisocyanates, 1711C
—; See Ho, K. S., 1703C
Chen, R. T. See Tang, H., 2385P
Chen, S. See Ho, C., 2907C
Chen, S.-J. See Li, F.-M., 1087C
Chen, T. See Wang, Y., 3065C
Chen, T.-L. See Jiang, H.-Y., 1753C
Chen, W. See Feng, Y., 1283C
Chen, X.
—; Li, W.; Yu, T.: Conformation Transition of Silk Fibroin Induced by Blending Chitosan, 2293P
Chen, Y.
—; Chen, K.-H.: Synthesis and Reversible Photocleavage of Novel Polyurethanes Containing Coumarin Dimer Components, 613C
—; Hong, R.: Photopolymerization of 7,7′-Coumarinyl Polymethylene Dicarboxylates: Fluorescence and Kinetic Study, 2999C
—; Huang, Z.-E.; Cai, R.-F.; Yu, B.-C.; Ito, O.; Zhang, J.; Ma, W.-W.; Zhong, C.-F.; Zhao, L.; Li, Y.-F.; Zhu, L.; Fujitsuka, M.; Watanabe, A.: Mass Spectrometric Investigation of the Aggregation and Coalescence of Fullerenes in C_{60}-Modified poly(*N*-vinylcarbazole) by UV-Laser Ablation, 1185P
Chen, Y. See De Jesus, M. C., 347P
Chen-Yang, Y. W.
—; Hwang, J. J.; Kau, J. Y.: Polybisaminophosphazene–Silver Nitrate Complexes: Coordination and Properties, 1023C
Chern, Y. C. See Liao, D. C., 1747P
Chernyshev, A. V.
—; Soini, A. E.; Surovtsev, I. V.; Maltsev, V. P.; Soini, E.: A Mathematical Model of Dispersion Radical Polymerization Kinetics, 1799C
Chew, C. H. See Liu, J., 3575C
Chien, B. T. See Riou, S. A., 2843P
Chittur, K. See Noh, I., 1499C
Chiu, Y.-S. See Liu, Y.-L., 565C, 1769C
Chmela, S.
—; Pilichowski, J. F.; Lacoste, J.: Photo-Hydroperoxidation and Grafting of Polyoctenamer. Access to New Polymeric-Hindered Amine Stabilizers, 2599C
Choe, S. See Lee, H., 1633P; Park, Y., 807P
Choi, C.
—; Bailey, L.; Rudin, A.; Pintar, M. M.: Quantitative Analyses of Three Phases of High-Density Polyethylene with 2D Time-Domain Proton NMR, 2551P
Choi, K. H. See Lee, H. S., 1821P
Choi, W.
—; Sanda, F.; Kihara, N.; Endo, T.: Cationic Isomerization and Ring-Opening Polymerization of a Five-Membered Dithiocarbonate: The First Example for Control of Isomerization and Polymerization, 3853C
Cho, J. H. See Park, H. S., 2935C
Chojnowski, J. See Rózga-Wijas, K., 879C
Cho, K. See Lee, H., 1633P
Cho, S. H.
—; Jhon, M. S.; Yuk, S. H.; Lee, H. B.: Temperature-Induced Phase Transition of Poly(*N,N*-dimethylaminoethyl methacrylate-*co*-acrylamide), 595P
Chovino, C.
—; Frere, Y.; Gramain, P.: Single-Ion and Salt Conductor Polymer Electrolytes Based on Poly(4-vinylpyridine) Quaternized with Poly(ethylene oxide) Side Chains, 2719C
—; Frere, Y.; Guillon, D.; Gramain, P.: Effect of Smectogenicity of the Ionic Groups on the Thermotropic Liquid Crystalline Behavior of Pyridinium and Poly(4-vinylpyridinium) Salts Quaternized with Mesogenic Groups, 2569C
Cho, Y.
—; Dhinojwala, A.; Granick, S.: Apparent Hydrodynamic Thickness of Densely Grafted Polymer Layers in a Theta Solvent, 2961P
Choy, C. L.
—; Yang, G. W.; Wong, Y. W.: Thermal Diffusivity of Polymer Films by Pulsed Photothermal Radiometry, 1621P
Christie, M. C.
—; Scheinbeim, J. I.; Newman, B. A.: Ferroelectric and Piezoelectric Properties of a Quenched Poly(Vinylidene Fluoride-Trifluoroethylene) Copolymer, 2671P
Chuah, H. H. See Kelsey, D. R., 3049C
Chu, F.
—; Hawker, C. J.; Pomery, P. J.; Hill, D. J. T.: Intramolecular Cyclization in Hyperbranched Polyesters, 1627C
Chu, K.-Y. See Hsiao, S.-H., 1469C, 2281C, 3385C
Chung, T. C.
—; Lu, H. L.: Rapid Communications. Synthesis of Poly(ethylene-co-*p*-methylstyrene) Copolymers by Metallocene Catalysts with Constrained Ligand Geometry, 575C
Chun, Y. K. See Ha, W. S., 309P
Chu, P.-H. See Hsu, C.-S., 2793C
Cigana, P. See Mamat, A., 2583P
Cimmino, S.
—; Monaco, M.; Silvestre, C.: Poly(4-methylpentene-1)/Hydrogenated Oligo(cyclopentadiene) Blends: Miscibility, Tensile Stress–Strain, and Dynamic Mechanical Behaviors, 1269P
Clarson, S. J. See Larmat, F., 3627C
Clay, P. A. See Miller, C. M., 989C

Click, W. E. See Dean, D. R., 3457C
Coca, S.
—; Matyjaszewski, K.: Block Copolymers by Transformation of "Living" Carbocationic into "Living" Radical Polymerization. II. ABA-Type Block Copolymers Comprising Rubbery Polyisobutene Middle Segment, 3595C
Coen, M. C. See Straub, W., 2083P
Cohen-Addad, J. P. See Lartigue, C., 1095P
Cohen, Y. See Ladyzhinski, I., 1833P
Colby, R. H.
Scaling Analysis of the Temperature Dependence of Intrinsic Viscosity, 1989P
—; Boris, D. C.; Krause, W. E.; Tan, J. S.: Polyelectrolyte Conductivity, 2951P
Collet, A. See Even, J., 789P
Colucci, D. M.
—; McKenna, G. B.; Filliben, J. J.; Lee, A.; Curliss, D. B.; Bowman, K. B.; Russell, J. D.: Isochoric and Isobaric Glass Formation: Similarities and Differences, 1561P
Conreur, C.
—; Francillette, J.; Laupretre, F.: Synthesis and Processing of Model Compound of PMR-15 Resin, 123C
Cooper, S. J. See Jones, N. A., 675P
Coqueret, X. See El Achari, A., 2513C
Corcuera, M. A. See Franco, M., 233P
Coşkun, M.
—; Demirelli, K.; Erol, I.; Ahmetzade, M.: Synthesis and Characterization of Two New Cyclobutyl and Aryl Hydroxyethyl Methacrylate Monomers and Their Polymers, 2123C
Costela, A.
—; García-Moreno, I.; Dabrio, J.; Sastre, R.: Photochemistry and Photopolymerization Activity of *p*-Nitroaniline in the Presence of *N,N*-Dimethylaniline as a Bimolecular Photoinitiator System, 3801C
Coudane, J.
—; Ustariz-Peyret, C.; Schwach, G.; Vert, M.: More about the Stereodependence of DD and LL Pair Linkages during the Ring-Opening Polymerization of Racemic Lactide, 1651C
—; See Schwach, G., 3431C
Cowie, J. M. G.
—; Harris, S.; McEwen, I. J.: Physical Ageing in Poly(vinyl Acetate) 1. Enthalpy Relaxation, 1107P
Creutz, S.
—; Teyssié, P.; Jérôme, R.: Living Anionic Homo- and Block Copolymerization of 2-(*tert*-butylamino)ethyl methacrylate, 2035C
Crissman, J. M. See McKenna, G. B., 817P
Crist, B.
Concentration and Chain-Length Dependence of Thermodynamic Interactions in Polyethylene Isotope Blends, 2889P
—; Hill, M. J.: Recent Developments in Phase Separation of Polyolefin Melt Blends, 2329P
Crivello, J. V.
—; Malik, R.: Synthesis and Photoinitiated Cationic Polymerization of Monomers with the Silsesquioxane Core, 407C
—; Rajaraman, S. K.: Dicobalt Octacarbonyl-Catalyzed Cationic Polymerization of Allylic and Enolic Ethers, 1579C
—; Rajaraman, S. K.: Transition Metal-Catalyzed Isomerization and Polymerization of Allylic and Enolic Ethers, 2521C
—; Rajaraman, S. K.: Transition Metal-Catalyzed Tandem Isomerization and Cationic Polymerization of Allyl Ethers. I. Discovery and Scope, 1593C
—; Rajaraman, S. K.: Transition Metal-Catalyzed Tandem Isomerization and Cationic Polymerization of Allyl Ethers. II. Structural and Mechanistic Studies, 1985C
Cuervo-Rodríguez, R.
—; Fernández-Monreal, M. C.; Férnandez-García, M.; Madruga, E. L.: Determination of the Sequence Distribution and Stereoregularity of Ethyl α-Benzoyloxymethylacrylate-Methyl Methacrylate Copolymers by Means of Proton and Carbon-13 NMR, 3483C
Curliss, D. B. See Colucci, D. M., 1561P
Curphy, J. J. See McGee, R. L., 2157C
Cutié, S. S.
—; Smith, P. B.; Henton, D. E.; Staples, T. L.; Powell, C.: Acrylic Acid Polymerization Kinetics, 2029P
—; See Smith, P. B., 799C
Cypcar, C. C. See Camelio, P., 2579C

Dabrio, J. See Costela, A., 3801C
da Cunha, H. N.
—; Mattoso, L. H. C.; Faria, R. M.: Effect of X-Ray Radiation on the Structure of P(VDF/TrFE) Copolymers, 1201P
Dahn, U. See Nuyken, O., 3017C
Dais, P. See Tylianakis, E. I., 317P
Dall'occo, T. See Albizzati, E., 2645C
Dang, T. D. See Spry, R. J., 2925P
Daniel, A. See Singley, E. J., 2533C
Danis, P. O. See Guttman, C. M., 2409P
Danner, R. P. See Surana, R. K., 1233P; Tihminlioglu, F., 1279P
Dargaville, T. R.
—; De Bruyn, P. J.; Lim, A. S. C.; Looney, M. G.; Potter, A. C.; Solomon, D. H.; Zhang, X.: Chemistry of Novolac Resins. II. Reaction of Model Phenols with Hexamethylenetetramine, 1389C
—; Guerzoni, F. N.; Looney, M. G.; Shipp, D. A.; Solomon, D. H.; Zhang, X.: Determination of Molecular Weight Distributions of Novolac Resins by Gel Permeation Chromatography, 1399C

Davankov, V. A.
—; Timofeeva, G. I.; Ilyin, M. M.; Tsyurupa, M. P.: Formation of Regular Clusters through Self-Association of Intramolecularly Hypercrosslinked Polystyrene-Type Nanosponges, 3847C
—; See Joseph, R., 695C
Davidson, K.
—; Soutar, I.; Swanson, L.; Yin, J.: Photophysics of Carbazole-Containing Systems. 1. Dilute Solution Behavior of Poly(*N*-Vinyl Carbazole) and *N*-Vinyl Carbazole/Methyl Acrylate Copolymers, 963P
Davis, R. M. See Tan, B., 2943C
Davis, T. P. See Kukulj, D., 859C; Zammit, M. A., 2311C
De Abajo, J.
—; De La Campa, J. G.; Alegría, A.; Echave, J. M.: Dielectric Relaxation of LC-Thermotropic Poly(ester imide)s, 203P
—; See Diaz-Calleja, R., 919P; García, J. M., 457P
Deak, D. K.
—; Lenz, R. W.; Kantor, S. W.: Thermotropic Liquid-Crystalline Copolyesters Containing Substituted Phenylene Terephthalate and Ethylene Terephthalate Units, 197C
Dean, B. D. See Broadbelt, L. J., 3305C
Dean, D. R.
—; Husband, D. M.; Dotrong, M.; Wang, C. S.; Dotrong, M. H.; Click, W. E.; Evers, R. C.: Multidimensional Benzobisoxazole Rigid-Rod Polymers. II. Processing, Characterization, and Morphology, 3457C
—; See Spry, R. J., 2925P
De Araújo, M. A. See Werlang, M. M., 2609P
De, B. B.
—; Lohray, B. B.; Sivaram, S.; Dhal, P. K.: Polymeric Catalysts for Chemo- and Enantioselective Epoxidation of Olefins: New Crosslinked Chiral Transition Metal Complexing Polymers, 1809C
Debier, D.
—; Legras, R.; Canova, L.: Blends of Bisphenol-A Polycarbonate and Acrylic Polymers: III. Effect of Imide Concentration on Compatibility, 749P
—; Vanclooster, S.; Devaux, J.; Legras, R.: Blends of Bisphenol-A Polycarbonate and Acrylic Polymers: II. PC/Acrylic Copolymers as a New Route for Compatibilization, 735P
De Bruyn, P. J. See Dargaville, T. R., 1389C
Decker, R. See Weidner, S., 2183C
Deguchi, M. See Matsumoto, K., 3207C
Deguchi, N. See Konno, K., 605C
De Jesus, M. C.
—; Weiss, R. A.; Chen, Y.: The Development of Conductive Composite Surfaces by a Diffusion-Limited *In Situ* Polymerization of Pyrrole in Sulfonated Polystyrene Ionomers, 347P
De La Campa, J. G. See De Abajo, J., 203P; Diaz-Calleja, R., 919P; García, J. M., 457P
De La Torre, J. G. See Navarro, S., 689P
Delmotte, L. See Calderara, I., 3619C
Del Nobile, M. A. See Manfredi, C., 133P
Delsorbo, C. R. See Shepard, T. A., 2617P
Demirelli, K. See Coşkun, M., 2123C
Demoustier-Champagne, S.
—; Canivet, I.; Devaux, J.; Jerome, R.: Coupling of α,ω-Dichloropoly(methylphenylsilane) and Living Poly(styryllithium). Study of the Coupling Reaction, 1939C
—; Jonas, A.; Devaux, J.: Poly (methylphenyl) silane: Structural Properties, 1727P
Deng, X.
—; Zhu, Z.; Xiong, C.; Zhang, L.: Synthesis and Characterization of Biodegradable Block Copolymers of ε-Caprolactone and D,L-Lactide Initiated by Potassium Poly(ethylene glycol)ate, 703C
—; See Zhu, Z., 709C
Deng, Y.-X. See Lu, J., 1423C
Depecker, C. See Gaucher-Miri, V., 2151P
Derks, R. See Flipsen, T. A. C., 41C, 1311P
De Roover, B.
—; Devaux, J.; Legras, R.: PAmXD,6/PP-g-MA Blends. I. Compatibilization, 901C
—; Devaux, J.; Legras, R.: PAmXD,6/PP-g-MA Blend. II. Rheology and Phase Inversion Location, 917C
—; Devaux, J.; Legras, R.: PAmXD,6/PP-g-MA Blends. III. Microstructure, Blend Melt Viscosity, and Copolymer Concentration Relationship, 1313C
de Rosa, C. See Musto, P., 1055P
Désilets, S.
—; Villeneuve, S.; Laviolette, M.; Auger, M.: ^{13}C-NMR Spectroscopy Study of Polyurethane Obtained from Azide Hydroxyl-Terminated Polymer Cured wtih Isophorone Diisocyanate (IPDI), 2991C
Desimone, J. M. See Hsiao, Y.-L., 2009C
De Sousa, H. C. See Rebelo, L. P. N., 631P
Devaux, J. See Debier, D., 735P; Demoustier-Champagne, S., 1939C, 1727P; De Roover, B., 901C, 917C, 1313C; Jambe, B., 1533P
Dewez, J.-L. See Marchand-Brynaert, J., 1227C
Dhal, P. K. See De, B. B., 1809C
Dhinojwala, A. See Cho, Y., 2961P
Dhobale, A. R. See Kumar, M., 187P
Diaz-Calleja, R.
—; de Abajo, J.; de la Campa, J. G.: Dielectric Relaxation Studies of Aromatic Polyamides, 919P
—; Sanchis, M. J.; Gargallo, L.; Radic, D.: Dynamic Mechanical and Dielectric Relaxations in Poly(monoethylphenyl itaconate), 2749P
Didier, J. G. See Kolbert, A. C., 1955P
Di Dino, G. See Russo, G., 889P

Dijkstra, P. J. See In't Veld, P. J. A., 219C; Van de Witte, P., 763P
Dilger, G. See Lepizzera, S., 2093P
Dillard, D. A. See Tan, B., 2943C
Dilocker, S. See Wagener, K. B., 3441C
Dimitrov, I. V. See Berlinova, I. V., 673C
Dimonie, V. L. See Hu, R., 1501P, 2193C
Ding, M. See He, M., 1925C; Huang, W., 143C; Mi, Q., 3287C
Ding, Y.
—; Hay. A. S.: Copolymerization of Elemental Sulfur with Cyclic (Arylene Disulfide) Oligomers, 2961C
Ding, Z.
—; Spruiell, J. E.: Interpretation of the Nonisothermal Crystallization Kinetics of Polypropylene Using a Power Law Nucleation Rate Function, 1077P
Doghieri, F.
—; Sarti, G. C.: Solubility, Diffusivity, and Mobility of *n*-Pentane and Ethanol in Poly(1-trimethylsilyl-1-propyne), 2245P
Doi, T. See Matsumoto, A., 1515C
Domard, A. See Belamie, E., 3181C
Dong, J.
—; Ozaki, Y.; Nakashima, K.: FTIR Studies of Conformational Energies of Poly(acrylic Acid) in Cast Films, 507P
Dong, J. H. See Xu, G. Z., 643C
Dordick, J. S. See Patil, N. S., 2221C
Dotrong, M.
—; Dotrong, M. H.; Evers, R. C.: Multidimensional Benzobisoxazole Rigid-Rod Polymers. I. Preparation and Characterization, 3451C
—; See Dean, D. R., 3457C
Dotrong, M. H. See Dean, D. R., 3457C; Dotrong, M., 3451C
Dougherty, G. See Bunning, T. J., 2825P
Dragan, S. See Chimici, L., 2571P
Dubé, M. A.
—; Penlidis, A.: Emulsion Terpolymerization of Butyl Acrylate/Methyl Methacrylate/Vinyl Acetate: Experimental Results, 1659C
Dubitsky, Y. See Albizzati, E., 2645C
Dubois, P. See Ropson, N., 183C; Tian, D., 2295C; Yu, J. M., 3507C
Duckett, R. A. See Brooks, N. W., 545P
Duda, J. L. See Surana, R. K., 1233P; Tihminlioglu, F., 1279P
Dunlap, D. H. See Parris, P. E., 2803P
Durning, C. J. See Huang, S. J., 2103P
Dušek, K. See Matějka, L., 651C, 665C
Du, X.
—; Yu, X.: Synthesis of Catalytically Active Polymer-Bound Schiff Base Manganese Complexes for Selective Epoxidation of Unfunctionalized Olefins, 3249C

Earls, J. D. See Lin, Q., 2363P; Liu, J., 1105C
Eashoo, M.
—; Buckley, L. J.; St. Clair, A. K.: Fibers from a Low Dielectric Constant Fluorinated Polyimide: Solution Spinning and Morphology Control, 173P
Ebdon, J. R.
—; Rimmer, S.: A One-Pot Method for the Preparation of Latices of Telechelic Oligomers, by Ozonolysis of Latices of Polymers Containing Main-Chain Unsaturation, 3255C
—; See Xue, T. J., 509C
Ebengou, R. H.
Adsorption as a Mechanism for Nucleating Activity: A Thermodynamic Explanation, 1333P
Eberle, T. See Sernetz, F. G., 1571C
Echave, J. M. See De Abajo, J., 203P
Echigo, Y.
—; Miki, N.; Tomioka, I.: Preparation of Poly(Bis(Trialkylammonium) 4,4′-Oxydiphenylenepyromellitamate) Films: A Useful Polyimide Precursor Film, 2493C
—; Okamoto, S.; Miki, N.: Preparation of Polyisoimide Powders in Suspension, 3335C
Economy, J. See Frich, D., 1061C
Ediger, M. D. See Zhu, W., 1241P
Efstradiadis, V. See Frater, D. J., 587P; Gell, C. B., 1943P
Eisele, G.
—; Fouassier, J. P.; Reeb, R.: Kinetics of Photocrosslinking Reactions of a DCPA/EA Matrix in the Presence of Thiols and Acrylates, 2333C
Eisenberg, A. See Wang, W., 1793P
Ekinci, E. See Yilmaz, T., 2981C
Ekizoglou, N. See Zioga, A., 1589P
El-Aasser, M. S. See Blythe, P. J., 807C; Hu, R., 1501P, 2193C; Miller, C. M., 989C; Özdeğer, E., 3813C, 3827C, 3837C
El Achari, A.
—; Coqueret, X.: Photocrosslinkable Vinylamine Copolymers. I. Synthesis and Photosensitivity of Cinnamoylated Polyvinylamine, 2513C
Elcan, W. See Pojman, J. A., 227
Ellison, M. S. See Rajan, M., 2901P
Ellison, R. H. See Kelsey, D. R., 3049C
Emery, O.
—; Lalot, T.; Brigodiot, M.; Maréchal, E.: Free-Radical Polymerizatin of Acrylamide by Horseradish Peroxidase-Mediated Initiation, 3331C
Encinas, M. V.
—; Rufs, A. M.; Norambuena, E.; Giannotti, C.: *p*-Nitroacetanilide in the Presence of Triethylamine as a Photoinitiator System for Vinyl Polymerization, 3095C
Endo, T. See Azuma, N., 1007C, 3235C, 3673C; Choi, W., 3853C; Koyama, E., 345C, 2925C; Kuroda, H., 787C; Lee, S.-D., 689C, 1333C; Matsuo, J., 1375C; Miyaki, N., 1211C, 2097C; Nomura, R., 715C; Okazaki, T., 2487C, 2501C; Sanda, F., 2619C; Shimomura,

O. 2813C; Tomita, I., 431C; Wang, J., 1381C
Engel, R. See Schwach, G., 3431C
Engst, T. See Pietralla, M., 47P
Ermer, H. See Straub, W., 2083P
Erol, I. See Coşkun, M., 2123C
Euler, W. B. See Huang, J.-T., 439C
Even, J.
—; Bertault, M.; Longeville, S.; Collet, A.: A Calorimetric Comparative Study of Hydrogenated and Deuterated Diacetylene 2,4 Hexadiynylene bis (*p*-toluenesulfonate): Phase Diagrams and Polymerization, 789P
Evers, R. C. See Dean, D. R., 3457C; Dotrong, M., 3451C
Ezquerra, T. A. See diGarcía, ee J. M., 457P

Fabrègue, E. See Trompette, J. L., 2535P
Faria, R. M. See da Cunha, H. N., 1201P
Faupel, F. See Willecke, R., 1043P
Favis, B. D. See Lepers, J. C., 2271P; Mamat, A., 2583P; Mekhilef, N., 293P
Feijen, J. See In't Veld, P. J. A., 219C; Van de Witte, P., 763P
Feng, H. See Zhang, L., 2495P
Feng, Y.
—; Sun, J.; Zhu, Y.; Chen, W.: Alternating Copolymerizations of Styrene Derivatives and Carbon Monoxide in the Presence of a Palladium(II) Catalyst, 1283C
Fernandes, A. C. See Gomes, C. M., 407P
Fernández-García, M.
—; Madruga, E. L.: Kinetic Study of High-Conversion Copolymerization of Butyl Acrylate with Methyl Methacrylate in Solution, 1961C
—; See Cuervo-Rodríguez, R., 3483C
Fernández-Monreal, M. C. See Cuervo-Rodríguez, R., 3483C
Fetters, L. J. See Gell, C. B., 1933P
Fiedeldei, U. See Özarslan, Ö., 1149C
Filipova, TZ.
—; Grabchev, I.; Petkov, I.: Synthesis and Spectral Properties of New *N*-Substituted Naphthalimide Luminophores for Structural Coloration of Polymethylmethacrylate and Polystyrene, 1069C
Filliben, J. J. See Colucci, D. M., 1561P
Fiocca, L. See Po′, R., 3241C
Fiorentino, S. See Ghielmi, A., 827C
Fitch, J. W. See Konno, K., 2267C
Fleming, P. D. See Yeoh, O. H., 1919P
Flexman, E. A. See Sauer, B. B., 2121P
Flipsen, T. A. C.
—; Derks, R.; Van Der Vegt, H.; Pennings, A. J.; Hadziioannou, G.: Densely Crosslinked Polycarbosiloxanes. I. Synthesis, 41C
—; Derks, R.; Van Der Vegt, H.; Stenekes, R.; Pennings, A. J.; Hadziioannou, G.: Densely Crosslinked Polycarbosiloxanes. II: Thermal and Mechanical Properties, 1311P
Fodor, J. S.
—; Briber, R. M.; Russell, T. P.; Carter, K. R.; Hedrick, J. L.; Miller, R. D.: Transmission Electron Microscopy of 3F/PMDA-Polypropylene Oxide Triblock Copolymer Based Nanofoams, 1067P
Fone, M. M. See Mercer, F. W., 521C
Forcada, J. See Santos, R. M., 1605C
Forder, C. See Patrickios, C. S., 1181C
Ford, W. T. See Joseph, R., 695C
Forsyth, J. C.
—; Baker, W. E.; Russell, K. E.; Whitney, R. A.: Peroxide-Initiated Vinylsilane Grafting: Structural Studies on a Hydrocarbon Substrate, 3517C
Fouassier, J. P. See Eisele, G., 2333C
Fox, M. A. See Mckerrow, A. J., 319C
Francillette, J. See Conreur, C., 123C
Franco, L. See Jones, N. A., 675P
Franco, M.
—; Corcuera, M. A.; Gavaldà, J.; Valea, A.; Mondragon, I.: Influence of Curing Conditions on the Morphology and Physical Properties of Epoxy Resins Modified with a Liquid Polyamine, 233P
Frater, D. J.
—; Mays, J. W.; Jackson, C.: Synthesis and Dilute Solution Properties of Divinylbenzene-Linked Polystyrene Stars with Mixed Arm Lengths: Evidence for Coupled Stars, 141P
—; Mays, J. W.; Jackson, C.; Sioula, S.; Efstradiadis, V.; Hadjichristidis, N.: A Kinetic Study of the Formation of Polystyrene Stars Using 1,2-Bis(trichlorosilyl)ethane, 587P
Fréchet, J. M. J. See Liang, Y.-C., 2631C; Petro, M., 1173C; Urankar, E. J., 3543C; Xie, S., 1013C
Freddi, G.
—; Monti, P.; Nagura, M.; Gotoh, Y.; Tsukada, M.: Structure and Molecular Conformation of Tussah Silk Fibroin Films: Effect of Heat Treatment, 841P
Fredrickson, G. H.
—; Bates, F. S.: Design of Bicontinuous Polymeric Microemulsions, 2775P
—; See Werner, A., 849P
Freeman, B. D. See Pinnau, I., 1483P
Frere, Y. See Chovino, C., 2569C, 2719C
Frich, D.
—; Economy, J.: Thermally Stable Liquid Crystalline Thermosets Based on Aromatic Copolyesters: Preparation and Properties, 1061C
Frisch, K. C. See Han, H., 769C; Szczepaniak, B., 2739C
Frutos, G. See Quijada-Garrido, I., 1473P
Fujii, T. See Yoshida, E., 2371C
Fujimoto, I. See Ouchi, T., 377C
Fujimoto, T. See Se, K., 1219C
Fujinami, T.
—; Mehta, M. A.; Yamada, Y.; Hiramatsu, M.; Hirano, I.: Potential Switching of Optical

Properties in Polymer Electrolytes, 2057P
Fujita, K. See Nomura, M., 2689C
Fujitsuka, M. See Chen, Y., 1185P
Fujiwara, N. See Okada, T., 2259C
Fukae, R. See Kawatsuki, N., 1849C
Fukuda, M.
—; Kawai, H.: Moisture Sorption Mechanism of Aromatic Polyamide Fibers. V: Growth of Crystallites in As-Spun Wet Poly(*p*-phenylene terephthalamide) Fiber during Dehydration, 1423P
Fukutomi, T. See Kihara, N., 817C, 1443C
Furukawa, J. See Kaita, S., 2591C; Ohashi, T., 1621C
Furukawa, M. See Furukawa, N., 2239C
Furukawa, N.
—; Yamada, Y.; Furukawa, M.; Yuasa, M.; Kimura, Y.: Surface and Morphological Characterization of Polysiloxane-*Block*-Polyimides, 2239C

Galbis, J. A. See Bueno, M., 3645C
Galimberti, M. See Albizzati, E., 2645C
Gan, L. H. See Liu, J., 3575C
Gan, L. M. See Liu, J., 3575C
Gao, J. P. See Chen, J. P., 9C
Gao, L. See Mi, Q., 3287C
Gao, Q.-Y. See Li, F.-M., 1087C
García-Alvarez, M.
—; López–Carrasquero, F.; Morillo, M.; Muñoz–Guerra, S.: Ultrasonic Degradation of Polyaspartates and Polyglutamates, 2379P
García-Moreno, I. See Costela, A., 3801C
Gardette, J.-L. See Pazur, R., 1689C
Gardner, S. See Tan, B., 2943C
Gargallo, L. See Diaz Calleja, R., 2749P
Gatenholm, P.
—; Ashida, T.; Hoffman, A. S.: Hybrid Biomaterials Prepared by Ozone-Induced Polymerization. I. Ozonation of Microporous Polypropylene, 1461C
Gau, J. See Li, P., 3585C
Gaucher-Miri, V.
—; Depecker, C.; Séguéla, R.: Reversible Strain-Induced Order in the Amorphous Phase of a Low-Density Ethylene/Butene Copolymer, 2151P
Gavaldà, J. See Franco, M., 233P
Geckeler, K. E. See Rivas, B. L., 2461C
Geil, P. H. See Liu, J., 1575P; Rybnikar, F., 1807P
Gell, C. B.
—; Graessley, W. W.; Efstratiadis, V.; Pitsikalis, M.; Hadjichristidis, N.: Viscoelasticity and Self-Diffusion in Melts of Entangled Asymmetric Star Polymers, 1943P
—; Graessley, W. W.; Fetters, L. J.: Viscoelasticity and Self-Diffusion in Melts of Entangled Linear Polymers, 1933P
Gent, A. N.
—; Kim, E.-G.; Ye, P.: Autohesion of Crosslinked Polyethylene, 615P
Gentile, G.
—; Laurienzo, P.; Riva, F.; Volpe, M. G.: Linear Poly(etheraroylhydrazides): A Correlation between Number of Methylene Sequences and Reticular Structure, 2193P
George, S.
—; Neelakantan, N. R.; Varughese, K. T.; Thomas, S.: Dynamic Mechanical Properties of Isotactic Polypropylene/Nitrile Rubber Blends: Effects of Blend Ratio, Reactive Compatibilization, and Dynamic Vulcanization, 2309P
Gerasimov, M. V. See Buzin, M. I., 1973C
Gerhardt, L. J.
—; Manke, C. W.; Gulari, E.: Rheology of Polydimethylsiloxane Swollen With Supercritical Carbon Dioxide, 523P
Ghassemi, H. See Herbert, C. G., 1095C
Ghielmi, A.
—; Fiorentino, S.; Storti, G.; Mazzotti, M.; Morbidelli, M.: Long Chain Branching in Emulsion Polymerization, 827C
Ghimici, L.
—; Dragan, S.; Popescu, F.: Interaction of the Low-Molecular Weight Salts with Cationic Polyelectrolytes, 2571P
Ghosh, P.
—; Pal, G.: Photopolymerization of Methyl Methacrylate with the Use of Morpholine-Chlorine Charge Transfer Complex as the Photoinitiator, 1681C
Giannelis, E. P. See Vaia, R. A., 59P
Giannini, U. See Albizzati, E., 2645C
Giannotti, C. See Encinas, M. V., 3095C
Gido, S. P. See Pochan, D. J., 2629P
Gilbert, R. G. See Kukulj, D., 859C; Miller, C. M., 989C
Giles, D. W. See Ho, R., 2857P
Giraud-Guille, M. See Belamie, E., 3181C
Gitsov, I. See Berlinova, I. V., 673C
Glass, T. E. See Kiefer, L. A., 3506C
Glatz, F. P. See Xu, Z.-K., 1855P
Glatzhofer, D. T. See Neef, C. J., 3365C
Goderis, B. See Peeters, M., 2689P
Göksel, C.
—; Hacioğlu, B.; Akbulut, U.: Spontaneous Copolymerization of Maleic Anhydride and *N*-Vinylimidazole in 1,4-Dioxane. I. Charge Transfer Complexation and Kinetics of the Copolymerization, 3735C
Gomes, C. M.
—; Adão, M. H.; Saramago, B. J. V.; Fernandes, A. C.: Wettability of Cellular Polyurethane, 407P
Gómez Ribelles, J. L. See Meseguer Dueñas, J. M., 2201P
Gong, H. See Liu, J., 3575C
Gonsalves, K. E. See Jin, S., 499C

Goodman, S. L. See Noh, I., 1499C
Goodwin, A. A.
—; Mercer, F. W.: Dynamic Mechanical Behavior of Fluorinated Aromatic Poly(ethers), 1963P
Goswami, A. See Sodaye, H. S., 771P
Gotoh, Y. See Freddi, G., 841P
Gotthardt, P. See Pönitsch, M., 2397P
Gougeon, R. See Calderara, I., 3619C
Grabchev, I. See Filipova, TZ., 1069C
Graessley, W. W. See Gell, C. B., 1933P, 1943P
Graham, J. T.
—; Alamo, R. G.; Mandelkern, L.: The Effect of Molecular Weight and Crystallite Structure on Yielding in Ethylene Copolymers, 213P
Gramain, P. See Chovino, C., 2569C, 2719C
Granick, S. See Cho, Y., 2961P
Grant, N. K. See Bicerano, J., 2715P
Grenier-Loustalot, M.
—; Lartigau, C.: Influence of the Stoichiometry of Epoxy-Cyanate Systems (Non-Catalyzed and Catalyzed) on Molten State Reactivity, 3101C
—; Lartigau, C.: Molten State Reactivity of Difunctional Cyanates: Thermal and Spectroscopic Studies by Liquid and Solid CP-MAS ^{13}C-NMR, 1245C
Greszta, D.
—; Matyjaszewski, K.: TEMPO-Mediated Polymerization of Styrene: Rate Enhancement with Dicumyl Peroxide, 1857C
Grimau, M.
—; Laredo, E.; Bello, A.; Suarez, N.: Correlation between Dipolar TSDC and ac Dielectric Spectroscopy at the PVDF Glass Transition, 2483P
Grubb, T. L.
—; Mathias, L. J.: Benzyl Ether Polymers: Crystallinity and Pendant Adamantyl Effects, 1743C
Grüger, A. See Pönitsch, M., 2397P
Güçlü, H. See Yilmaz, T., 2981C
Guerra, G. See Manfredi, C., 133P; Musto, P., 1055P; Russo, G., 889P
Guerry, D. See Mühlebach, A., 3603C
Guerzoni, F. N. See Dargaville, T. R., 1399C
Guilbeaux, B. R. See Marks, M. J., 385C
Guillermo, A. See Lartigue, C., 1095P
Guillon, D. See Chovino, C., 2569C
Gulari, E. See Gerhardt, L. J., 523P
Güngör, A. See Özarslan, Ö., 1149C; Selampinar, F., 3009C; Yilmaz, T., 2981C
Guo, J. See Wang, P., 2391P
Guo, Q.
—; Zheng, S.; Li, J.; Mi, Y.: Poly(*N*-phenyl-2-hydroxytrimethylene amine): Its Blends with Poly(ϵ-caprolactone) and Water-Soluble Polyethers, 211C
—; See Zheng, H., 3161C, 3169C; Zheng, S., 1383P
Gupta, S. N. See Ray, A., 3729C
Gupta, V. D. See Tandon, P., 2281P
Gupta, V. P. See Tandon, P., 2281P
Gu, Q. C. See Chen, L., 799P
Guttman, C. M.
—; Blair, W. R.; Danis, P. O.: Mass Spectroscopy and SEC of SRM 1487, a Low Molecular Weight Poly(methyl methacrylate) Standard, 2409P
Guzmán, J.
—; Iglesias, M. T.; Riande, E.: Synthesis and Kinetics of Polymerization of Acrylic and Methacrylic Monomers Containing 1,3-Dioxane Groups in Their Structure, 1125C

Haba, O.
—; Obata, M.; Yokota, K.; Kakuchi, T.: Chirality Induction in Cyclopolymerization. VI. Enantioselective Cationic Cyclopolymerization of Divinyl Ethers with Chiral 10-Camphorsulfonic Acid/Zinc Chloride Initiating System, 353C
—; See Okada, T., 2259C
Habaue, S.
—; Yamada, H.; Uno, T.; Okamoto, Y.: Stereospecific Polymerization of Benzyl α-(Alkoxymethyl)acrylates, 721C
Hacioğlu, B. See Göksel, C., 3735C
Haddleton, D. M. See Kukulj, D., 859C
Hadjichristidis, N. See Avgeropoulos, A., 813C; Frater, D. J., 587P; Gell, C. B., 1943P; Zioga, A., 1589P
Hadziioannou, G. See Flipsen, T. A. C., 41C, 1311P
Hajduk, D. A. See Ho, R., 2857P; Ryu, C. Y., 2811P
Hall, D. B.
—; Miller, R. D.; Torkelson, J. M.: Molecular Probe Techniques for Studying Diffusion and Relaxation in Thin and Ultrathin Polymer Films, 2795P
Hall, H. K., Jr. See Kanbara, T., 2787C; Mikhael, M. G., 1673C; Parker, D. D., 2703C
Hamada, M. See Matsuzaki, K., 2479C
Hamba, M.
—; Han-Adebekun, G. C.; Ray, W. H.: Kinetic Study of Gas Phase Olefin Polymerization with a $TiCl_4/MgCl_2$ Catalyst. II. Kinetic Parameter Estimation and Model Building, 2075C
—; See Han-Adebekun, G. C., 2063C
Hamhuis, J. See In't Veld, P. J. A., 219C
Han-Adebekun, G. C.
—; Hamba, M.; Ray, W. H.: Kinetic Study of Gas Phase Olefin Polymerization with a $TiCl_4/MgCl_2$ Catalyst I. Effect of Polymerization Conditions, 2063C
—; See Hamba, M., 2075C
Han, C. C. See Li, S., 2935P
Handa, Y. P.
—; Roovers, J.; Moulinié, P.: Gas Transport Properties of Substituted PEEKs, 2355P
Handlin, D. L., Jr. See Kelsey, D. R., 3027C, 3049C

Hang, Q. See Shen, Y., 1339C
Han, H.
—; Bhowmik, P. K.; Frisch, K. C.: Wholly Aromatic Thermotropic Liquid Crystalline Polyesters of 3,3′-*bis*(Phenyl)-4,4′-Biphenol with 4,4′-Benzophenone Dicarboxylic Acid, 769C
Han, J. L. See Liao, D. C., 1747P
Han, T. K. See Ko, Y. S., 2769C
Haque, S. A. See Petro, M., 1173C
Hara, M. See Ma, X., 1291P
Hardaker, S. S.
—; Samuels, R. J.: A Process–Structure–Property Study of Anisotropic PMDA-ODA Films, 777P
Harris, S. See Cowie, J. M. G., 1107P
Harvey, N. G. See Shepard, T. A., 2617P
Harville, S. See Storey, R. F., 3767C
Hashimoto, K.
—; Oi, T.; Yasuda, J.; Hotta, K.; Okada, M.: Molecular Weight Distribution of Polyamides Obtained in Anionic Polymerization of Methyl-Substituted β-Lactams and Aminolysis of Their *N*-Benzoyl Lactams, 1831C
Hastings, G. W. See Khor, E., 2049C
Hata, M. See Tsuda, M., 77C
Häußler, L. See Pompe, G., 2161P
Havriliak, S. J. See Havriliak, S., Jr., 1887P
Havriliak, S., Jr.
—; Havriliak, S. J.: A Rigorous Comparison of Theoretical Autocorrelation Functions with Dielectric Relaxation Parameters for the Alpha Process of Polymers, 1887P
Hawker, C. J. See Chu, F., 1627C
Ha, W. S.
—; Chun, Y. K.; Jang, S. S.; Rhee, D. M.; Park, C. R.: Preparation of Poly(ethylene terephthalate-*co*-isophthalate) by Ester Interchange Reaction in the PET/PEI Blend System, 309P
—; See Lyoo, W. S., 55C
Hawthorne, D. G. See Varley, R. J., 153P
Hay, A. S. See Ding, Y., 2961C; Herbert, C. G., 1095C; Martínez, C. A., 1781C, 2015C
Hayase, S. See Kani, R., 2355C; Majima, Y., 427C
Hayashi, H. See Yamamoto, T., 463C
Haynes, C. See Avci, D., 2111C
Heatley, F. See Tylianakis, E. I., 317P
He, D. Q.
—; Nauman, E. B.: Spinodal Decomposition with Varying Chain Lengths and Its Application to Designing Polymer Blends, 897P
Hedrick, J. L. See Fodor, J. S., 1067P
Hefner, R. E., Jr. See Lin, Q., 2363P
He, M.
—; Yu, B.; Lin, X.; Ding, M.: Asymmetric Polymerization of the Mixture of TrMA and MMA Initiated by Chiral Complexes, 1925C
Henk, W. G. See Yu, K. H., 2787P
Henton, D. E. See Cutié, S. S., 2029P; Smith, P. B., 799C
Herbert, C. G.
—; Ghassemi, H.; Hay, A. S.: Introduction of Amino, Aliphatic, and Aliphatic Carboxylic Acid Side Groups onto Poly(arylene ether sulfone)s via Transimidization Reactions, 1095C
Hernandez, M. C. See Laredo, E., 2879P
Higashimura, T. See Lu, J., 1423C
Higley, D. P. See Auman, B. C., 2441C
Higuchi, A. See Matsui, S., 2259P
Hill, D. J. T. See Chu, F., 1627C
Hill, M. J. See Crist, B., 2329P; Jones, N. A., 675P; Organ, S. J., 1775P
Hiltner, A. See Hu, R., 1501P, 2193C
Hiramatsu, M. See Fujinami, T., 2057P
Hirano, I. See Fujinami, T., 2057P
Hiuke, R. See Matsumoto, A., 1515C
Hoagland, D.
Review of *The Physics of Polymers: Concepts for Understanding Their Structures and Behavior*, 1337C
Hobbie, E. K. See Li, S., 2935P
Ho, C.
—; Chen, S.; Amiridis, M. D.; Van Zee, J.W.: Dispersion Polymerization of Styrene in Alcohol Media: Effect of Initiator Concentration, Solvent Polarity, and Temperature on the Rate of Polymerization, 2907C
Hodgkin, J. H. See Varley, R. J., 153P
Hoffman, A. S. See Gatenholm, P., 1461C
Hofmann, M. See Mühlebach, A., 3603C
Ho, K. S.
—; Chen, L. W.: Kinetic Studies of Polyamide-imide Synthesis, 1703C
—; See Chen, L. W., 1711C
Hölderle, M.
—; Bar, G.; Mülhaupt, R.: Synthesis and Characterization of Oxazoline-Functional Polymer Particles by Free Radical Nonaqueous Dispersion Polymerization, 2539C
Hongo, T. See Tanaka, H., 3537C
Hong, R. See Chen, Y., 2999C
Hong, S. G.
—; Lin, J. J.: The Effects of Glass Beads and Silane Treatments on the Curing Behavior of a Brominated Epoxy Resin: DSC Analyses, 2063P
Hong, S. H. See Suh, J., 533C
Hong, S. U.
—; Barbari, T. A.; Sloan, J. M.: Diffusion of Methyl Ethyl Ketone in Polyisobutylene: Comparison of Spectroscopic and Gravimetric Techniques, 1261P
Hopkins, A. R. See Annis, B. K., 2765P
Ho, P. S. See Mckerrow, A. J., 319C
Ho, R.
—; Adedeji, A.; Giles, D. W.; Hajduk, D. A.: Microstructure of Triblock Copolymers in Asphalt Oligomers, 2857P
Hosoya, K. See Yoshizako, K., 2747C

Hotta, K. See Hashimoto, K., 1831C
Hotz, R. See Pietralla, M., 47P
Hou, H.
—; Tsiang, R. C.; Hsieh, H. C.: Preparing a Functionalized Thermoplastic Elastomer: Chlorination and Synthesis of Poly(*p*-methylstyrene)-*block*-polyisoprene-*block*-poly(*p*-methylstyrene), 2969C
Howell, B. A. See Smith, P. B., 799C
Hsiao, B. S. See Sauer, B. B., 2121P
Hsiao, S.-H.
—; Chu, K.-Y.: Synthesis and Properties of *Ortho*-Linked Aromatic Polyamides Based on 4,4′-(2,3-Naphthalenedixoy)dibenzoic Acid, 3385C
—; Chu, K.-Y.: Synthesis and Properties of Poly(ether imide)s Derived from 2,7-Bis(3,4-dicarboxyphenoxy)naphthalene Dianhydride and Various Aromatic Diamines, 2281C
—; Huang, P.-C.: Preparation and Characterization of Aromatic Polyamides Based on Ether-sulfone-dicarboxylic Acids, 2421C
—; Yang, C.-P.; Chu, K.-Y.: Synthesis and Properties of Aromatic Polyamides Based on 4,4′-(2,7-Naphthalenedioxy)dibenzoic Acid, 1469C
—; Yang, C.-P.; Yang, C.-Y.: Synthesis and Properties of Polyimides, Polyamides and Poly(amide-imide)s from Ether Diamine Having the Spirobichroman Structure, 1487C
—; Yang, C.-Y.: Syntheses and Properties of Polyamides from Ether Diacid Having the Spirobichroman Unit, 1479C
—; Yang, C.-Y.: Synthesis and Evaluation of Novel Polyimides Derived from Spirobichroman Diether Anhydride, 2801C
—; See Liou, G.-S., 2273C; Yang, C.-P., 2147C
Hsiao, Y.-L.
—; Desimone, J. M.: Dispersion Polymerization of Methyl Methacrylate in Supercritical Carbon Dioxide: Influence of Helium Concentration on Particle Size and Particle Size Distribution, 2009C
Hsieh, H. C. See Hou, H., 2969C
Hsieh, K. H. See Liao, D. C., 1747P
Hsieh, T.-H. See Hsu, C.-S., 2793C
Hsieh, Y. See Khatua, S., 3263C
Hsieh, Y.-L.
—; Hu, X.-P.: Structural Transformation of Ultra-High Modulus and Molecular Weight Polyethylene Fibers by High-Temperature Wide-Angle X-Ray Diffraction, 623P
—; See Lin, W., 1145P; 631C
Hsiue, G.-H. See Liu, Y.-L., 565C; 1769C; Yang, J.-S., 909P
Hsu, C.-S.
—; Chu, P.-H.; Chang, H.-L.; Hsieh, T.-H.: Effect of Lateral Substituents on the Mesomorphic Properties of Side-Chain Liquid Crystalline Polysiloxanes Containing 4-[(*S*)-2-Methyl-1-butoxy]phenyl 4-(Alkenyloxy)benzoate Side Groups, 2793C
Hsu, L.
—; Chang, T.; Tsai, W.; Lee, C.: Studies on the Synthesis and Properties of Ferroelectric Side Chain Liquid Crystalline Polyoxetanes, 2843C
Hsu, S. L. See Riou, S. A., 2843P
Hua, D. See Yu, K. H., 2787P
Huang, C.-C. See Liaw, D.-J., 3527C
Huang, C.-W.
—; Sun, Y.-M.; Huang, W.-F.: Curing Kinetics of the Synthesis of Poly(2-hydroxyethyl methacrylate) (PHEMA) with Ethylene Glycol Dimethacrylate (EGDMA) as a Crosslinking Agent, 1873C
Huang, I.-T. See Yang, I.-K., 1217P
Huang, J. See Zheng, S., 1383P
Huang, J.-T.
—; Sun, J.; Euler, W. B.; Rosen, W.: Aggregation Kinetics and Precipitation Phenomena in Poly(phenylisocyanide), 439C
Huang, P.-C. See Hsiao, S.-H., 2421C
Huang, S. J.
—; Durning, C. J.: Nonlinear Viscoelastic Diffusion in Concentrated Polystyrene/Ethylbenzene Solutions, 2103P
Huang, W.
—; Tong, Y.; Xu, J.; Ding, M.: Synthesis and Imidization of Poly(amic methyl ester)s, 143C
Huang, W.-F. See Huang, C.-W., 1873C
Huang, Z.-E. See Chen, Y., 1185P
Huang, Z. H.
—; Qiu, K. Y.; Wei, Y.: Properties of Hybrid Materials Incorporating Tetrabutyl Titanate and Tetraethoxysilane with Ethylene-Propylene Nonconjugated Diene Terpolymer (EPDM-ENB) via Sol-Gel Process, 2403C
Huanosta, A. See Cardoso, J., 479P
Hubbell, J. A. See Noh, I., 3467C
Hubbell, J. A. See Noh, I., 1499C
Hudson, S. M. See Bae, H., 3755C
Huh, S. W. See Noh, S. K., 3717C
Hu, O. See Liu, X., 1433P
Hu, P. See Sun, Y., 1405P
Hu, R.
—; Dimonie, V. L.; El-Aasser, M. S.; Pearson, R. A.; Hiltner, A.; Mylonakis, S. G.; Sperling, L. H.: Multicomponent Latex IPN Materials: 2. Damping and Mechanical Behavior, 1501P
—; Dimonie, V. L.; El-Aasser, M. S.; Pearson, R. A.; Hiltner, A.; Mylonakis, S. G.; Sperling, L. H.: Multicomponent Latex IPN Materials. I. Morphology Control, 2193C
Husband, D. M. See Dean, D. R., 3457C
Hu, T.-D. See Chen, L., 799P
Hu, X.-P. See Hsieh, Y.-L., 623P
Hwang, J. J. See Chen-Yang, Y. W., 1023C

Ichikawa, H. See Nomura, M., 2689C

Icil, H.
—; Icli, S.: Synthesis and Properties of a New Photostable Polymer: Perylene-3,4,9,10-tetracarboxylic Acid–Bis-(*N,N'*-dodecylpolyimide), 2137C
Icli, S. See Icil, H., 2137C
Iglesias, M. T. See Guzmán, J., 1125C
Ikada, Y. See Tomihata, K., 3553C
Ikehara, T. See Lee, J., 2645P
Ilyin, M. M. See Davankov, V. A., 3847C
Imai, T. See Kabeta, K., 455C
Imai, Y.
—; Ishikawa, H.; Park, K.-H.; Kakimoto, M.-A.: A Facile Cesium Fluoride-Mediated Synthesis of Aromatic Polyethers from Bisphenols and Activated Aromatic Dihalides, 2055C
Imre, A.
—; Van Hook, W. A.: Continuity of Solvent Quality in Polymer Solutions. Poor-Solvent to Θ-Solvent Continuity in Some Polystyrene Solutions, 1251P
Imrie, C. T. See Kirkwood, K., 3323C
Inceli, A. L. See Lahti, P. M., 2167C
Inoue, K.
—; Miyamoto, H.; Itaya, T.: Ionic Conductivity of Complexes of Novel Multiarmed Polymers with Phosphazene Core and $LiClO_4$, 1839C
Interrante, L. V. See Shen, Q. H., 3193C
In't Veld, P. J. A.
—; Velner, E. M.; Van De Witte, P.; Hamhuis, J.; Dijkstra, P. J.; Feijen, J.: Melt Block Copolymerization of ε-Caprolactone and L-Lactide, 219C
Inui, K.
—; Miyata, T.; Uragami, T.: Permeation and Separation of Benzene/Cyclohexane Mixtures through Liquid–Crystalline Polymer Membranes, 699P
Irurzun, I. M.
Hydrodynamic Properties of Regular Star-Branched Polymer in Dilute Solution, 563P
Isasi, J. R.
—; Alamo, R. G.; Mandelkern, L.: A Study of the Dilation of the Unit Cell of Metallocene Isotactic Poly(propylenes): The Monoclinic Form, 2511P
—; Alamo, R. G.; Mandelkern, L.: The Thermal Expansion of the Monoclinic Unit Cell of Isotactic Polypropylene, 2945P
Ishiguro, T. See Matsui, S., 2259P
Ishikawa, A. See Ouchi, T., 377C
Ishikawa, H. See Imai, Y., 2055C
Ishikiriyama, K.
—; Wunderlich, B.: Crystallization and Melting of Poly(oxyethylene) Analyzed by Temperature-Modulated Calorimetry, 1877P
Ishino, K. See Tashiro, K., 1677P
Itaya, T. See Inoue, K., 1839C
Ito, E. See Kimura, F., 2741P
Itoh, H.
—; Kameyama, A.; Nishikubo, T.: Synthesis of Silicon-Containing Vinyl Ether Monomers and Oligomers and Their Photoinitiated Polymerization, 3217C
Itoh, T.
Spectroscopic Characterization of Polysilane Copolymers Based on Cyclopentamethylenesilane and (3,3,3-Trifluoropropyl)methylsilane, 3079C
—; Matsumura, Y.; Kubo, M.: Polymerization of *meta*-Naphthoquinone Methide: 3,4-Benzo-6-methylenebicyclo[3.1.0]hex-3-ene-2-one, 741C
Ito, O. See Chen, Y., 1185P
Ivanov, D. A.
—; Lipnik, P. D. M.; Jonas, A. M.: Transmission Electron Microscopy Studies on Selectively Stained Poly-(aryl-ether-ether-ketone)/Poly(ether-imide) Semicrystalline Blends, 2565P

Jackson, C. See Frater, D. J., 141P, 587P
Jain, S. R. See AManulla, S., 2835C
Jakeways, R. See Carr, P. L., 2465P
Jambe, B.
—; Jonas, A.; Devaux, J.: Crystalline Structure of Poly(methyl-*n*-propylsilane), 1533P
Jang, S. S. See Ha, W. S., 309P
Jankovic, D. D. See Tenc-Popovic, M. E., 1363C
Jayanthi, S.
—; Kishore, K.: Reaction of Polyperoxides with Triphenylphosphine, 1167C
Jayaraman, S. K. See Kiefer, L. A., 3506C
Jenkins, I. D. See Busfield, W. K., 263C
Jérôme, R. See Antoun, S., 3637C; Creutz, S., 2035C; Demoustier-Champagne, S., 1939C; Nugay, N., 361C, 1543C; Ropson, N., 183C; Tian, D., 2295C; Yu, J. M., 3507C
Jeung, C.-S. See Suh, J., 527C
Jhon, M. S. See Cho, S. H., 595P
Jia, L.
—; Xu, X.; Zhang, H.; Xu, J.: Permeation of Nitrogen and Water Vapor through Sulfonated Polyetherethersulfone Membrane, 2133P
Jiang, D. D.
—; Wilkie, C. A.: Chemical Initiation of Graft Copolymerization of Methyl Methacrylate onto Styrene–Butadiene Block Copolymer, 965C
Jiang, H.-Y.
—; Qi, Y.-H.; Chen, T.-L.; Xing, Y.; Lin, Y.-H.; Xu, J.-P.: Isolation, Spectra, Structure, and Ring-Opening Polymerization of Strained Macrocyclic Aryl(ether ketone) Dimer, 1753C
Jiang, M. See Li, M., 1593P
Jimenez, G. See Ogata, N., 389P
Jinbo, T. See Ohashi, T., 1621C
Jin, J.-I. See Yun, Y.-K., 2777C
Jin, S.
—; Mungara, P. M.; Gonsalves, K. E.: Synthesis of Polyamides and Polyureas Containing

Leucine–Tyrosine Linkages, 499C
Ji, X. L.
—; Zhang, W. J.; Wu, Z. W.: The Double-Melting Behavior of Poly(ether diphenyl ether ketone), 431P
Johari, G. P. See Wasylyshyn, D. A., 437P
John, G.
—; Tsuda, S.; Morita, M.: Synthesis and Modification of New Biodegradable Copolymers: Serine/Glycolic acid Based Copolymers, 1901C
John, J.
—; Tang, J.; Yang, Z.; Bhattacharya, M.: Synthesis and Characterization of Anhydride-Functional Polycaprolactone, 1139C
Jonas, A. See Demoustier-Champagne, S., 1727P; Jambe, B., 1533P
Jonas, A. M. See Ivanov, D. A., 2565P
Jones, M. S. See Xue, T. J., 509C
Jones, N. A.
—; Cooper, S. J.; Atkins, E. D. T.; Hill, M. J.; Franco, L.: Temperature-Induced Changes in Chain-Folded Lamellar Crystals of Aliphatic Polyamides. Investigation of Nylons 2 6, 2 8, 2 10, and 2 12, 675P
Jongen, N. See Marchand-Brynaert, J., 1227C
Jong, S. R.
—; Yu, T. L.: Physical Aging of Poly(ether Sulfone)-Modified Epoxy Resin, 69P
Joseph, R.
—; Ford, W. T.; Zhang, S.; Tsyurupa, M. P.; Pastukhov, A. V.; Davankov, V. A.: Solid-State ^{13}C-NMR Analysis of Hypercrosslinked Polystyrene, 695C
Joshi, M. D. See Vibhute, S. S., 3227C
Jüngling, S.
—; Koltzenburg, S.; Mülhaupt, R.: Propene Homo- and Copolymerization Using Homogeneous and Supported Metallocene Catalysts Based on Me_2Si(2-Me-Benz[e]Ind)$_2ZrCl_2$, 1C
Just, U. See Weidner, S., 2183C
Jyodai, H. See Noguchi, H., 1701P

Kabeta, K.
—; Wakamatsu, S.; Imai, T.: Preparation of Substituted Network Polysilanes by a Disproportionation Reaction of Ethoxydisilane Initiated by a Small Amount of Organolithium Reagents, 455C
Kaita, S.
—; Otaki, T.; Kobayashi, E.; Aoshima, S.; Furukawa, J.: Copolymerization of Vinyl Monomers with $Gd(OCOCCl_3)_3$-(i-Bu)$_3$Al-Et_2AlCl, 2591C
Kaji, E. See Soga, K., 291C, 823C
Kakimoto, M.-A. See Imai, Y., 2055C
Kakuchi, T.
—; Shibata, M.; Matsunami, S.; Nakato, T.; Tomida, M.: Synthesis and Characterization of Poly(succinimide-*co*-6-aminocaproic acid) by Acid-Catalyzed Polycondensation of L-Aspartic Acid and 6-Aminocaproic Acid, 285C
—; See Haba, O., 353C
Kalay, G.
—; Bevis, M. J.: Processing and Physical Property Relationships in Injection-Molded Isotactic Polypropylene. 1. Mechanical Properties, 241P
—; Bevis, M. J.: Processing and Physical Property Relationships in Injection-Molded Isotactic Polypropylene. 2. Morphology and Crystallinity, 265P
—; Bevis, M. J.: The Effect of Shear Controlled Orientation in Injection Moulding on the Mechanical Properties of An Aliphatic Polyketone, 415P
Kaluzynski, K. See Pretula, J., 1733C
Kameyama, A. See Itoh, H., 3217C; Nishikubo, T., 2711C, 3791C
Kamigaito, M. See Lu, J., 1423C
Kamiya, Y.
—; Naito, Y.; Mizoguchi, K.; Terada, K.; Moreau, J.: Thermodynamic Interactions in Rubbery Polymer/Gas Systems, 1049P
Kanbara, T.
—; Mikhael, M. G.; Buyle Padias, A.; Hall, H. K., Jr.: Effect of Zinc Salts on the Spontaneous Copolymerization of 4-Vinylpyridine with Various Electron-Rich Vinyl Monomers, 2787C
Kaneko, A. See Nishikubo, T., 2711C
Kane, L.
—; Satkowski, M. M.; Smith, S. D.; Spontak, R. J.: Compositionally Symmetric Diblock Copolymer Blends of Moderate Polydispersity, 2653P
Kang, E.-T. See Liaw, D.-J., 3527C
Kang, I.-N. See Yoon, C.-B., 2253C
Kani, R.
—; Nakano, Y.; Yoshida, H.; Mikoshiba, S.; Hayase, S.: Poly(phenylhydrosilane): Base-Developable Polysilane Resist, 2355C
Kanno, C. See Kihara, N., 1443C
Kannurpatti, A. R.
—; Anderson, K. J.; Anseth, J. W.; Bowman, C. N.: Use of "Living" Radical Polymerizations to Study the Structural Evolution and Properties of Highly Crosslinked Polymer Networks, 2297P
Kantor, S. W. See Deak, D. K., 197C
Kaptan, H. Y. See Tatar, L., 2195P
Karlsson, S. See Palmgren, R., 1635C
Katakai, R. See Nagaoka, N., 3075C
Kathmann, E. E.
—; McCormick, C. L.: Water-Soluble Polymers. 71. pH Responsive Behavior of Terpolymers of Sodium Acrylate, Acrylamide, and the Zwitterionic monomer 4-(2-Acrylamido-2-

methylpropanedimethylammonio)-Butanoate, 231C
—; McCormick, C. L.: Water-Soluble Polymers. 72. Synthesis and Solution Behavior of Responsive Copolymers of Acrylamide and the Zwitterionic Monomer 6-(2-Acrylamido-2-Methylpropyldimethylammonio) Hexanoate, 243C
Kato, M. See Aoki, H., 2827C
Kau, J. Y. See Chen-Yang, Y. W., 1023C
Kawai, H. See Fukuda, M., 1423P; Ogata, N., 389P
Kawano, T. See Ledono, K., 1601P
Kawata, Y. See Majima, Y., 427C
Kawate, K.
Creep Recovery of Acrylate Urethane Oligomer/Acrylate Networks. 2. Investigation of Different Modes of Molecular Motion, 2543P
Kawatsuki, N.
—; Kikai, A.; Fukae, R.; Yamamoto, T.; Sangen, O.: Synthesis, Characterization, and Photoreaction of Photoreactive Liquid Crystalline Block Copolyetheresters, 1849C
Keating, M. See Sauer, B. B., 2121P
Keller A. See Organ, S. J., 1775P
Keller, C. E. See Liu, Y., 3707C
Keller, T. M. See Bucca, D., 1033C; Sundar, R. A., 2387C
Kelsey, D. R.
—; Chuah, H. H.; Ellison, R. H.; Handlin, D. L., Jr.; Scardino, B. M.: Ring-Opened Metathesis Polymers from Cyclohexenylnorbornene and Related Diels-Alder Adducts of Cyclopentadiene with Vinyl and Divinyl Cyclohydrocarbons, 3049C
—; Handlin, D. L., Jr.; Narayana, M.; Scardio, B. M.: *In Situ* Catalyst Systems for Ring-Opening Metathesis Polymerization, 3027C
Kenkre, V. M. See Parris, P. E., 2803P
Kennedy, J. P. See Nagy, A., 3341C
Khaldi, S. See Benmouna, M., 1191P
Khan, A. See Kumari, S., 927C; Lecker, D. N., 1409C
Khan, A. M. See Pojman, J. A., 227
Khanna, Y. P.
—; Kuhn, W. P.: Measurement of Crystalline Index in Nylons by DSC: Complexities and Recommendations, 2219P
Khatua, S.
—; Hsieh, Y.: Chlorine Degradation of Polyether-Based Polyurethane, 3263C
Khmelnitsky, Y.
Review of Biotransformations in Organic Chemistry. A Textbook, 3617C
Khor, E.
—; Wan, A. C. A.; Tee, C. F.; Hastings, G. W.: Reversible Water-Swellable Chitin Gel, 2049C
Kiefer, L. A.
—; Yoon, T. H.; Glass, T. E.; Jayaraman, S. K.; McGrath, J. E.: Synthesis and Characterization of Semicrystalline Cycloaliphatic Polyester/Poly(dimethylsiloxane) Segmented Copolymers, 3506C
Kihara, N.
—; Kanno, C.; Fukutomi, T.: Synthesis and Properties of Microgel Bearing a Mercapto Group, 1443C
—; Xu, Y.; Fukutomi, T.: Utilization of Chain Transfer to Graft Polymerization. I. Graft Polymerization onto the Polystyrene Bearing Allylthio Group, 817C
—; See Choi, W., 3853C
Kijima, M. See Se, K., 1219C
Kikai, A. See Kawatsuki, N., 1849C
Kikunaga, Y. See Suwa, K., 1763C
Kimata, K. See Yoshizako, K., 2747C
Kim, E.-G. See Gent, A. N., 615P
Kim, I.
—; Krimm, S.: Raman Longitudinal Acoustic Mode Studies of Poly(ethylene oxide) and α,ω-Methoxylated Poly(ethylene oxide) Fractions during Isothermal Crystallization from the Melt, 1117P
Kim, I.-J. See Lee, H., 1633P
Kimishima, T. See Yamaguchi, I., 1265C, 2821C
Kim, J. See Noh, S. K., 3717C
Kim, M. G.
—; Wu, Y.; Amos, L. W.: Polymer Structure of Cured Alkaline Phenol–Formaldehyde Resol Resins with Respect to Resin Synthesis Mole Ratio and Oxidative Side Reactions, 3275C
Kim, M. S.
—; Levon, K.: Blend of Electroactive Poly(3-Dodecylthiophene) with Comb-Like Alkylated Polyacrylate, 1025P
Kim, S. See Noh, S. K., 3717C
Kim, S. Y. See Kwak, S.-Y., 709P
Kimura, F.
—; Kimura, T.; Sugisaki, A.; Komatsu,M.; Sata, H.; Ito, E.: FTIR Spectroscopic Study on Crystallization Process of Poly(ethylene-2,6-naphthalate), 2741P
Kimura, S. See Yamaguchi, T., 469P
Kimura, T. See Kimura, F., 2741P; Yokozawa, T., 1563C
Kimura, Y. See Furukawa, N., 2239C
Kirchheim, R. See Pönitsch, M., 2397P
Kirkwood, K.
—; Steward, D.; Imrie, C. T.: Role of C_{60} in the Free Radical Polymerization of Methyl Methacrylate, 3323C
Kishida, A. See Suwa, K., 1763C, 3087C, 3377C
Kishore, K. See Jayanthi, S., 1167C
Kiszka, M. See Szadkowska-Nicze, M., 299C
Kitajima, T. See Sato, T., 1891C
Kitamura, M. See Wang, Y., 3065C
Kitano, H. See Nozaki, T., 1535C
Kiyotsukuri, T. See Tsutsumi, N., 1869P
Kizu, S. See Tsutsumi, N., 1869P
Klein, A. See Özdeğer, E., 3813C, 3827C, 3837C

Klein, J. L. See Carr, P. L., 2465P
Klein, M. T. See Broadbelt, L. J., 3305C
Klumperman, B. See O'Driscoll, K. F., 515C
Kobayashi, E. See Kaita, S., 2591C; Ohashi, T., 1621C
Kobayashi, M. See Tashiro, K., 1677P
Kobayashi, S. See Taguchi, Y., 271C; Uyama, H., 1453C
Kody, R. S. See Lesser, A. J., 1611P
Ko, J. See Park, Y., 807P
Ko, J. H. See Lee, H. S., 1821P
Kolbert, A. C.
—; Didier, J. G.: Characterization of Mechanically Sheared Ethylene–Propylene Copolymers by High Resolution NMR, 1955P
Koltzenburg, S. See Jüngling, S., 1C
Komatsu, I. See Uyama, H., 1453C
Komatsu, M. See Kimura, F., 2741P
Komatsu, T.
Mechanical Properties and Structure Relationships in Drawn Fibers of Elastomer–Polyoxymethylene Blends, 107P
Komiya, T. See Okazaki, T., 2501C
Kondo, M. See Matsuzaki, K., 2479C
Kondo, T.
The Relationship between Intramolecular Hydrogen Bonds and Certain Physical Properties of Regioselectively Substituted Cellulose Derivatives, 717P
Konno, K.
—; Deguchi, N.; Yonetake, K.; Ueda, M.; Cassidy, P. E.: Synthesis and Properties of New Crystalline Poly(arylene ether)s Containing Pendant Benzoyl Groups, 605C
—; Ueda, M.; Youngman, P.; Fitch, J. W.; Cassidy, P. E.: Synthesis of Novel Polyxanthenes from Poly(arylene ether)s Containing Benzoyl Groups, 2267C
Kopelman, I. J. See Ladyzhinski, I., 1833P
Koros, W. J. See Steinhäusler, T., 91P
Kosman, J. See Smith, P. B., 799C
Ko, T.-M. See Zeng, X.-R., 1993P
Koyama, E.
—; Sanda, F.; Endo, T.: Polycondensations of Dicarboxylic Acids and Diols Derived from Optically Active Amino Alcohols, 2925C
—; Sanda, F.; Endo, T.: Polycondensations of Hydroxycarboxylic Acids Derived from Optically Active Aminoalcohols and Acid Anhydrides—Syntheses of Functional Poly(ester-amide)s, 345C
Ko, Y. S.
—; Han, T. K.; Park, J. W.; Woo, S. I.: Copolymerization of Ethylene–1-Hexene over a Thermally Pretreated $MgCl_2$/THF/$TiCl_4$ Bimetallic Catalyst, 2769C
Kramer, H. See Li, S., 2935P
Krause, W. E. See Colby, R. H., 2951P
Krbecek, H. H. See Anders, S. H., 1661P
Kressler, J. See Maier, R.-D., 1135P; Straub, W., 2083P
Kricheldorf, H. R.
—; Sun, S.-J.; Chen, C.-P.; Chang, T.-C.: Polymers of Carbonic Acid. XXIV. Photoreactive, Nematic or Cholesteric Polycarbonates Derived from Hydroquinone-4-hydroxybenzoate 4,4′-Dihydroxychalcone and Isosorbide, 1611C
—; Wulff, D. F.: Layer Structures. VI. Chiral Sanidic Polyesters Derived from 2,5-Bis(dodecyloxy)terephthalic Acids and 4,4′-Dihydroxybiphenyl, 947C
Krimm, S. See Kim, I., 1117P
Krivokuca, M. R. See Tenc-Popovic, M. E., 1369C
Krykin, M. A.
—; Bondar, V. I.; Kukharsky, Y. M.; Tarasov, A. V.: Gas Sorption and Diffusion Processes in Polymer Matrices at High Pressures, 1339P
Kubo, M. See Itoh, T., 741C
Kubota, H. See Nagaoka, N., 3075C
Kuehn, G. See Weidner, S., 2183C
Kuhn, W. P. See Khanna, Y. P., 2219P
Kukharsky, Y. M. See Krykin, M. A., 1339P
Kukulj, D.
—; Davis, T. P.; Suddaby, K. G.; Haddleton, D. M.; Gilbert, R. G.: Catalytic Chain Transfer for Molecular Weight Control in the Emulsion Homo- and Copolymerizations of Methyl Methacrylate and Butyl Methacrylate, 859C
Kultys, A.
Polyesters Containing Sulfur. V. Preparation and Characterization of New Polyester–Sulfur Compositions, 2231C
—; Preparation and Properties of Polyesters from Diphenylmethane-4,4′-di(methylthiopropionic acid) and Aliphatic Diols, 547C
Kumar, B. See Spry, R. J., 2925P
Kumari, S.
—; Lecker, D. N.; Khan, A.: Interaction of Iodine Species with Glycogen at High Concentrations of Iodine, 927C
—; See Lecker, D. N., 1409C
Kumar, M.
—; Dhobale, A. R.; Kumar, M.; Sastry, M. D.: Photoacoustic Spectroscopic Studies of Ho^{3+}, Er^{3+}, and Sm^{3+} Doped Polyvinyl Alcohol Films, 187P
Kumar, M. See Kumar, M., 187P
Kuramoto, N.
—; Shishido, Y.; Nagai, K.: Thermosensitive and Redox-Active Polymers: Preparation and Properties of Poly(*N*-ethylacrylamide-co-vinylferrocene) and Poly(*N,N*-diethylacrylamide-co-vinylferrocene), 1967C
Kurioka, H. See Uyama, H., 1453C
Kuroda, H.
—; Tomita, I.; Endo, T.: Reactions of Polymers Having β-

Alkoxyenoate Moieties in the Main Chain, 787C
Kuyulu, A. See Özarslan, Ö., 1149C; Yilmaz, T., 2981C
Kwak, S.-Y.
—; Kim, S. Y.; Nakajima, N.: Dynamic Mechanical and Solid-State NMR Determination of Molecular-Scale Heterogeneity in a Raw Elastomer, a Microcrystalline Polymer, and Their Blend, 709P
Kwiatikowska, E. See Marciniec, B., 3299C
Kyoto, M. See Ledono, K., 1601P
Kyritsis, A.
—; Pissis, P.: Dielectric Studies of Polymer–Water Interactions and Water Organization in PEO/Water Systems, 1545P
Kyu, T. See Nwabunma, D., 1911P

Lacoste, J. See Chmela, S., 2599C
Ladyzhinski, I.
—; Ramon, O.; Mizrahi, S.; Kopelman, I. J.; Cohen, Y.: The Effect of Topological Constraints on Polymer Network Pressure, 1833P
Lahti, P. M.
—; Inceli, A. L.; Rossitto, F. C.: Synthesis, Characterization, and Photolysis of Poly[3,5-di-*tert*-butyl-4-[(2,4,6-tri-*tert*-butylphenyl)oxalato] phenylacetylene], a Photochemical Polyradical Precursor, 2167C
Lai, Y.-C.
A Novel Crosslinker for UV Copolymerization of *N*-vinyl Pyrrolidone and Methacrylates To Give Hydrogels, 1039C
Lalot, T. See Emery, O., 3331C; Valiente, N., 27C, 35C
Lambla, M. See Lepizzera, S., 2093P
Lambrigger, M.
Three Types of Avrami Master Curves for the Evaluation of Isothermal Polymer Crystallization Experiments, 2559P
Lan, C.-W. See Liu, Y.-L., 1769C
Laredo, E.
—; Hernandez, M. C.: Moisture Effect on the Low- and High-Temperature Dielectric Relaxations in Nylon-6, 2879P
—; See Grimau, M., 2483P
Larmat, F.
—; Reynolds, J. R.; Reinhardt, B. A.; Brott, L. L.; Clarson, S. J.: Comparative Reactivity of Thiophene and 3,4-(Ethylenedioxy)thiophene as Terminal Electropolymerizable Units in Bis-Heterocycle Arylenes, 3627C
Lartigau, C. See Grenier-Loustalot, M. F., 1245C, 3101C
Lartigue, C.
—; Guillermo, A.; Cohen-Addad, J. P.: Proton NMR Investigation of the Local Dynamics of PEO in PEO/PMMA Blends, 1095P
Laupretre, F. See Conreur, C., 123C
Laurienzo, P. See Gentile, G., 2193P
Laus, M.
—; Lelli, M.; Casagrande, A.: Polyepichlorohydrine Stabilized Core Shell Microspheres by Dispersion Polymerization, 681C
Laviolette, M. See Désilets, S., 2991C
Lazzeri, V. See Camelio, P., 2579C
Lecker, D. N.
—; Kumari, S.; Khan, A.: Iodine Binding Capacity and Iodine Binding Energy of Glycogen, 1409C
—; See Kumari, S., 927C
Ledono, K.
—; Kawano, T.; Tanigawa, S.; Ban, M.; Kyoto, M.; Uozumi, T.: Transition and Relaxation Processes of Polyethylene, Polypropylene, and Polystyrene Studied by Positron Annihilation, 1601P
Lee, A.
—; McKenna, G. B.: Anomalous Aging in Two-Phase Systems: Creep and Stress Relaxation Differences in Rubber-Toughened Epoxies, 1167P
—; See Colucci, D. M., 1561P
Lee, B. H. See Lee, H., 1633P
Lee, C. See Hsu, L., 2843C
Lee, D. See Noh, S. K., 3717C
Lee, H.
—; Cho, K.; Ahn, T.-K.; Choe, S.; Kim, I.-J.; Park, I.; Lee, B. H.: Solid-State Relaxations in Linear Low-Density (1-Octene Comonomer), Low-Density, and High-Density Polyethylene Blends, 1633P
—; See Noh, S. K., 3717C
Lee, H. B. See Cho, S. H., 595P
Lee, H. S.
—; Ko, J. H.; Song, K. S.; Choi, K. H.: Segmental and Chain Orientational Behavior of Spandex Fibers, 1821P
Lee, J.
—; Nakajima, K.; Ikehara, T.; Nishi, T.: Miscibility in Blends of Poly(3-hydroxybutyrate) and Poly(vinylidene chloride-*co*-acrylonitrile), 2645P
Lee, K.
—; Suh, M. P.; Suh, J.: Equilibrium Constant for Coordinative Polymerization of an *o,o'*-Dihydroxyazobenzene Derivative with Ni(II) Ion in Water, 1825C
Lee, K.-J. See Yun, Y.-M., 2447P
Lee, M. See Yun, Y.-K., 2777C
Lee, M. S.
—; Lodge, T. P.; Macosko, C. W.: Can Random Copolymers Serve as Effective Polymeric Compatibilizers? 2835P
—; See Ryu, C. Y., 2811P
Lee, S. See Noh, S. K., 3717C
Lee, S.-D.
—; Sanda, F.; Endo, T.: A Novel Synthetic Method of a Polyurethane from an Aminimide as a "Latent Monomer", 1333C
—; Sanda, F.; Endo, T.: Thermal Latency and Structure–Activity Relationship of Aminimides in the Polymerization of Epoxide, 689C
Lee, S.-J. See Yun, Y.-M., 2447P
Lee, S.-N. See Peng, S.-C., 1373P
Lee, W.-F. See Liaw, D.-J., 3527C
Lee, Y. J. See Tan, B., 2943C
Lee, Y.-K. See Yun, Y.-M., 2447P
Legras, R. See De Roover, B., 901C, 917C, 1313C; Debier, D., 735P, 749P
Lehtinen, C.
—; Stark, P.; Löfgren, B.: Co- and Terpolymerizations of Ethene

and α-Olefins with Metallocenes, 307C
Lelli, M. See Laus, M., 681C
Lemee, V. See Calderara, I., 3619C
Lenka, S. See Mohapatra, D. K., 3117C
Lenz, R. W. See Deak, D. K., 197C
Leonard, R. G. See Raftery, D., 3327C
Lepers, J. C.
—; Favis, B. D.; Tabar, R. J.: The Relative Role of Coalescence and Interfacial Tension in Controlling Dispersed Phase Size Reduction during the Compatibilization of Polyethylene Terephthalate/Polypropylene Blends, 2271P
Lepizzera, S.
—; Lhommeau, C.; Dilger, G.; Pith, T.; Lambla, M.: Film-Forming Ability and Mechanical Properties of Coalesced Latex Blends, 2093P
Lesko, J. J. See Oyama, H. T., 331P
Lesser, A. J.
—; Kody, R. S.: A Generalized Model for the Yield Behavior of Epoxy Networks in Multiaxial Stress States, 1611P
Leterrier, Y.
—; Andersons, J.; Pitton, Y.; Månson, J.-A. E.: Adhesion of Silicon Oxide Layers on Poly(ethylene terephthalate). II: Effect of Coating Thickness on Adhesive and Cohesive Strengths, 1463P
—; Boogh, L.; Andersons, J.; Månson, J.-A. E.: Adhesion of Silicon Oxide Layers on Poly(ethylene terephthalate). I: Effect of Substrate Properties on Coating's Fragmentation Process, 1449P
Leu, J. See Mckerrow, A. J., 319C
Levon, K. See Kim, M. S., 1025P
Lewandowski, M. See Marciniec, B., 3299C
Lhommeau, C. See Lepizzera, S., 2093P
Liang, Y.-C.
—; Svec, F.; Fréchet, J. M. J.: Preparation and Functionalization of Reactive Monodisperse Macroporous Poly(chloromethylstyrene-*co*-styrene-*co*-divinylbenzene) Beads by a Staged Templated Suspension Polymerization, 2631C
Liao, D. C.
—; Chern, Y. C.; Han, J. L.; Hsieh, K. H.: Swelling Equilibrium and Sorption Kinetics of Urethane-Modified Bismaleimides Elastomer, 1747P
Liaw, B.-Y. See Liaw, D.-J., 1527C
Liaw, D.-J.
Synthesis of Polyphosphates by the Polyaddition of Bisphenol-S Diglycidyl Ether and Aryl Phosphorodichloridates, 2365C
—; Chang, P.: Synthesis and Characterization of Polycarbonates Based on Bisphenol S by Melt Transesterification, 2453C
—; Huang, C.-C.; Lee, W.-F.; Borbély, J.; Kang, E.-T.: Synthesis and Characteristics of the Poly(carboxybetaine)s and the Corresponding Cationic Polymers, 3527C
—; Liaw, B.-Y.: Synthesis and Properties of Polyimides Derived from 1,4-Bis(4-Aminophenoxy)2,5-di-*tert*-Butylbenzene, 1527C
—; Tsai, J.-S.: Copolymerization of Carbon Monoxide and 4-Vinylcyclohexene with a Palladium Catalyst, 2759C
—; Tsai, J.-S.: Copolymerization of Carbon Monoxide and Norbornadiene with a Palladium Catalyst, 1157C
—; Tsai, J.-S.: Polymerization of 1-Methoxy-1-Ethynylcyclohexane by Transition Metal Catalysts, 475C
Li, B. See Siddiq, M., 85P
Libiszowski, J. See Pretula, J., 1733C
Liégeois, J. M. See Baidak, A. A., 1973P
Li, F.-M.
—; Gao, Q.-Y.; Wang, L.; Zhang, J.-X.; Chen, S.-J.; Li, Z.-C.: Vinyl Monomers Bearing Chromophore Moieties and Their Polymers. IV. Fluorescence and Photosensitizing Behavior of 8-Acryloyloxyquinoline and Its Polymer, 1087C
Li, J. See Guo, Q., 211C
Li, L.
—; Chen, L.; Bruin, P.; Winnik, M. A.: Morphology Evolution and Location of Ethylene–Propylene Copolymer in Annealed Polyethylene/Polypropylene Blends, 979P
Li, L. See Mi, Q., 3287C
Li, M.
—; Jiang, M.; Wu, C.: Fluorescence and Light-Scattering Studies on the Formation of Stable Colloidal Nanoparticles Made of Sodium Sulfonated Polystyrene Ionomers, 1593P
Lim, A. S. C. See Dargaville, T. R., 1389C
Li, M.-S. See Lin, M.-L., 2169P, 2183P
Lin, J. See Zhu, P. C., 593C
Lin, J. J. See Hong, S. G., 2063P
Lin, J.-S. See Lin, K.-F., 2469C
Lin, J. S. See Medellin-Rodriguez, F. J., 1757P
Lin, K.-F.
—; Lin, J.-S.; Cheng, C.-H.: Synthesis, Curing, and Decomposition of Allylamine-Adducted 3,3′-Bismaleimidodiphenylsulphone Resins, 2469C
Lin, M.-L.
—; Chang, K.-H.; Chang, F.-C.; Li, M.-S.; Ma, C.-C. M.: The Epoxy–Polycarbonate Blends Cured with Aliphatic Amine—II. Thermal and Mechanical Properties Mechanisms, 2183P
—; Chang, K.-H.; Chang, F.-C.; Li, M.-S.; Ma, C.-C. M.: The Epoxy–Polycarbonate Blends Cured with Aliphatic Amine—I. Mechanism and Kinetics, 2169P
Lin, Q.
—; Yee, A. F.; Sue, H.-J.; Earls, J. D.; Hefner, R. E., Jr.: Evolution of Structure and Properties of a Liquid Crystalline Epoxy during Curing, 2363P
Lin, S.
—; Cabasso, I.: Synthesis and

Characterization of Carbamoylphosphonate Monomer and Its Copolymer with Styrene. II, 889C
Lin, W.
—; Hsieh, Y.-L.: Argon Glow Discharge and Vapor-Phase Grafting of Vinyl Monomers on Wettability of Polyethylene, 1145P
—; Hsieh, Y.-L.: Ionic Absorption of Polypropylene Functionalized by Surface Grafting and Reactions, 631C
Lin, X. See He, M., 1925C
Lin, Y.-H. See Jiang, H.-Y., 1753C
Liou, G.-S.
—; Hsiao, S.-H.: Preparation and Properties of Aromatic Polyamides from 1,4-Bis(*p*-carboxyphenoxy)naphthyl and Aromatic Diamines, 2273C
Li, P.
—; Liu, J. H.; Wong, T. K.; Yiu, H. P.; Gau, J.: Surface Functionalization of Polymer Latex Particles. II. Catalytic Oxidation of Poly(methylstyrene) Latexes in the Presence of Cetyltrimethylammonium Bromide, 3585C
—; Liu, J. H.; Yiu, H. P.; Chan, K. K.: Surface Functionalization of Polymer Latex Particles. I. Catalytic Oxidation of Poly(methylstyrene) Latex Particles in the Presence of an Anionic Surfactant, 1863C
Lipnik, P. D. M. See Ivanov, D. A., 2565P
Li, S.
—; Migler, K. B.; Hobbie, E. K.; Kramer, H.; Han, C. C.; Amis, E. J.: Light-Scattering Photometer with Optical Microscope for the In-Line Study of Polymer Extrusion, 2935P
Liu, H. See Zhang, L., 2495P
Liu, J.
—; Gan, L. M.; Chew, C. H.; Quek, C. H.; Gong, H.; Gan, L. H.: The Particle Size of Latexes from Dispersion Polymerization of Styrene Using Poly(ethylene oxide) Macromonomer as a Polymerizable Stabilizer, 3575C
—; Geil, P. H.: Electron Diffraction and Computer Modeling of Poly(naphthalic anhydride) Crystal Structure, 1575P
—; Wang, C.; Campbell, G. A.; Earls, J. D.; Priester, R. D., Jr.: Effects of Liquid Crystalline Structure Formation on the Curing Kinetics of an Epoxy Resin, 1105C
Liu, J. H. See Li, P., 1863C, 3585C
Liu, J.-M.
—; Chang, C.-S.; Tsiang, R. C.-C.: Method of Determining the Degree of Branching from the Gel Permeation Chromatogram for Star-Shaped SBS Thermoplastic Block Copolymers, 3393C
Liu, M.
—; Cheng, R.; Wu, C.; Qian, R.: Viscometric Investigation of Intramolecular Hydrogen Bonding Cohesional Entanglement in Extremely Dilute Aqueous Solution of Poly Vinyl Alcohol, 2421P
Liu, X.
—; Hu, O.; Tong, Z.: Viscosity Behavior of Polyelectrolyte Copolymers Containing Sulfonate Groups in Mixed Organic Solvents, 1433P
Liu, Y.
—; Keller, C. E.; Pittman, C. U., Jr.: Cationic 1,2-Vinyl Addition Polymerization of Cyclic Ketene Acetals Initiated by Conventional Acids, 3707C
—; Pan, C.: Syntheses of Well-Defined Star-Shaped Poly(tetrahydrofuran) Polyols by the Ion-Coupling Method, 3403C
—; Pittman, C. U., Jr.: Cationic Ring-Opening Polymerizations of Cyclic Ketene Acetals Initiated by Acids at High Temperatures, 3655C
—; See Zhu, P. C., 593C
Liu, Y.-L.
—; Hsiue, G.-H.; Chiu, Y.-S.: Synthesis, Characterization, Thermal, and Flame Retardant Properties of Phosphate-Based Epoxy Resins, 565C
—; Hsiue, G.-H.; Lan, C.-W.; Chiu, Y.-S.: Flame-Retardant Polyurethanes from Phosphorus-Containing Isocyanates, 1769C
Li, W. See Chen, X., 2293P; Wan, M., 2129C
Li, X.
—; Berner, B.: Copolymers of (±)2-Ethylhexyl Acrylate and 3-[3,3,3-Trimethyl-1,1-bis(trimethylsiloxy) disiloxanyl]propyl Methacrylate, 3571C
Li, Y.
—; Mlynár, J.; Sarkanen, S.: The First 85% Kraft Lignin-Based Thermoplastics, 1899P
—; See Patil, N. S., 2221C; Wang, Y., 3065C; Zheng, S., 1383P
Li, Y.-F. See Chen, Y., 1185P
Li, Z.-C. See Li, F.-M., 1087C
Lodge, T. P. See Lee, M. S., 2835P; Ryu, C. Y., 2811P; Stepanek, P., 1643P
Löfgren, B. See Lehtinen, C., 307C
Lohray, B. B. See De, B. B., 1809C
Longeville, S. See Even, J., 789P
Longo, P.
—; Proto, A.; Oliva, P.; Sessa, I.; Zambelli, A.: Copolymerization of Styrene with (Z)-1,3-Pentadiene in the Presence of a Syndiotactic-Specific Catalyst, 2697C
Long Zhou, Z. See Nwabunma, D., 1911P
Looney, M. G. See Dargaville, T. R., 1389C, 1399C
Loos, A. C. See Tan, B., 2943C
López-González, M. M. C.
—; Callejo Cudero, M. J.; Barrales-Rienda, J. M.: Synthesis of Polyesters as Binders for Deinkable Inks. VI. Structural Analysis of the Copolyesterification between *o*-Phthalic Anhydride, Oleic Acid, and Trimethylolpropane in Bulk at 160°C by High Resolution ^{13}C- and ^{1}H Nuclear Magnetic Resonance (^{13}C- and ^{1}H-NMR), 3409C

López-Carrasquero, F. See García-Alvarez, M., 2379P
Lotz, B. See Lovinger, A. J., 2523P
Lougnot, D. J. See Calderara, I., 3619C
Louth, R. M. See Shepard, T. A., 2617P
Lovinger, A. J.
—; Lotz, B.: Structural Analysis of Minimized Models for Syndiotactic Polypropylene, 2523P
Lozano, A. E. See Mateo, J. L., 2889C
Luciani, A.
—; Champagne, M. F.; Utracki, L. A.: Interfacial Tension Coefficient from the Retraction of Ellipsoidal Drops, 1393P
Lu, H. L. See Chung, T. C., 575C
Lu, J.
—; Kamigaito, M.; Sawamoto, M.; Higashimura, T.; Deng, Y.-X.: Living Cationic Isomerization Polymerization of β-Pinene. III. Synthesis of End-Functionalized Polymers and Graft Copolymers, 1423C
Luján-Upton, H.
—; Okamoto, Y.; Walser, A. D.: Fluorescence Lifetime of Terbium(III) as a Probe for the Ion-Binding Properties of Tactic Poly(methacrylic acids), 393C
Luo, N.
—; Wang, D.-N.; Ying, S.-K.: Phase Separation in Segmented Poly(urethane urea) Copolymers during Reaction Injection Molding (RIM) Polymerization, 865P
Lyoo, W. S.
—; Ha, W. S.: Preparation of Syndiotacticity-Rich High Molecular Weight Poly(vinyl Alcohol) Microfibrillar Fiber by Photoinitiated Bulk Polymerization and Saponification, 55C

Ma, C.-C. M. See Lin, M.-L., 2169P, 2183P
Macosko, C. W. See Lee, M. S., 2835P; Rankin, S. E., 1293C
Madan, R.
—; Anand, R. C.; Varma, I. K.: Metathesis Polymerization of *N*-aryl Norbornene Dicarboximides. I, 2917C
—; See Varma, I. K., 2323C
Mäder, D. See Straub, W., 2083P
Madkour, T. M.
—; Mark, J. E.: Modeling of the Crystallization of Isotactic Polypropylene Chains, 2757P
Madruga, E. L. See Cuervo-Rodríguez, R., 3483C; Fernández-García, M., 1961C
Maeda, M. See Matsuzaki, K., 2479C
Maeda, Y. See Nozaki, T., 1535C
Mahadevan, V. See Selvaraj, P. C., 105C
Mahajan, S. S. See Sagar, A. D., 1077C
Mahesh, G. N.
—; Sivaraman, A.; Tharanikkarasu, K.; Radhakrishnan, G.: Synthesis and Characterization of Polyurethane–Polyvinylbenzyl Chloride Multiblock Copolymers and Their Cationomers Using a Polyurethane Macroiniferter, 1237C
Maier, R.-D.
—; Thomann, R.; Kressler, J.; Mülhaupt, R.; Rudolf, B.: The Influence of Stereoregularity on the Miscibility of Poly(propylene)s, 1135P
Maiti, S. See Bag, D. S., 2049P
Majima, Y.
—; Kawata, Y.; Nakano, Y.; Hayase, S.: Polysilane Spherulites and Their High Photoluminescence Quantum Yields, 427C
Majoros, I. See Nagy, A., 3341C
Makame, Y. See Mørk, P. C., 2347C
Malavašič, T. See Brecl, M., 2871C
Maldar, N. N. See Vibhute, S. S., 3227C
Maldotti, A. See Albizzati, E., 2645C
Malik, R. See Crivello, J. V., 407C
Maltsev, V. P. See Chernyshev, A. V., 1799C
Mamat, A.
—; Vu-Khanh, T.; Cigana, P.; Favis, B. D.: Impact Fracture Behavior of Nylon-6/ABS Blends, 2583P
Mandelkern, L. See Graham, J. T., 213P; Isasi, J. R., 2511P, 2945P
Manfredi, C.
—; Del Nobile, M. A.; Mensitieri, G.; Guerra, G.; Rapacciuolo, M.: Vapor Sorption in Emptied Clathrate Samples of Syndiotactic Polystyrene, 133P
Manke, C. W. See Gerhardt, L. J., 523P
Manohar, S. B. See Sodaye, H. S., 771P
Manrique, R. See Cardoso, J., 479P
Månson, J.-A. E. See Leterrier, Y., 1449P, 1463P; Phillips, R., 875P
Manyurov, I. R. See Brenerman, M. L., 33P
Marchand-Brynaert, J.
—; Jongen, N.; Dewez, J.-L.: Surface Hydroxylation of Poly(vinylidene fluoride) (PVDF) Film, 1227C
—; See Noiset, O., 3779C
Marchionni, G. See Staccione, A., 2073P
Marciniec, B.
—; Lewandowski, M.; Kwiatikowska, E.: Synthesis of Silylene–Propenylene Oligomers via Catalytic Polycondensation of Diallyldiorganosilanes, 3299C
Maréchal, E. See Emery, O., 3331C; Valiente, N., 27C, 35C
Margel, S. See Nitzan, B., 171C
Mark, J. E. See Madkour, T. M., 2757P; Mayer, A. B. R., 1207P, 3151C
Marks, M. J.
—; Scott, D. C.; Guilbeaux, B. R.; Bales, S. E.: Synthesis and Thermochemistry of Phenylmaleimide- and Phenylnadimide-Terminated Bisphenol A Polycarbonates, 385C
Marom, G. See Stern, T., 2429P
Martínez, C. A.
—; Hay, A. S.: Preparation of Hyperbranched Macromolecules with Aryl Fluoride and Phenol Terminal Functionalities Using New

Monomers and Cs_2CO_3 or $Mg(OH)_2$ as the Condensation Agent, 2015C
—; Hay, A. S.: Synthesis of Poly(aryl ether) Dendrimers Using an Aryl Carbonate and Mixtures of Metal Carbonates and Metal Hydroxides, 1781C
Martinez, M. C. L. See Navarro, S., 689P
Martin, O.
—; Sanchez-Camacho, A.; Mendicuti, F.; Mattice, W. L.: Effect of the Directionality of the Ester Group on the Formation of Hairpins in Polyesters Containing Naphthalene and a Flexible Spacer, 1127P
Martin, S. J. See McGee, R. L., 2157C
Masamoto, J. See Matsuzaki, K., 2479C
Más Estellés, J. See Meseguer Dueñas, J. M., 2201P
Masuda, S.
—; Sertova, N.; Petkov, I.: Photochemical Behavior of Poly(ethylacryloylacetate) and Poly(acryloylacetone) Films, 3683C
Matějka, L.
—; Dušek, K.; Chabanne, P.; Pascault, J. P.: Cationic Polymerization of Diglycidyl Ether of Bisphenol A. III. Comparison of the Theory with Experiment, 665C
—; Dušek, K.; Chabanne, P.; Pascault, J. P.: Cationic Polymerization of Diglycidyl Ether of Bisphenol A. II. Theory, 651C
Mateo, J. L.
—; Bosch, P.; Lozano, A. E.: Reactivity of Radicals from 1-(*N,N*-dimethylamino)ethylene-2-Derivatives in the Acrylic Photopolymerization, 2889C
Mathias, L. See Pojman, J. A., 227
Mathias, L. J. See Avci, D., 2111C; Grubb, T. L., 1743C; Tregre, G. J., 587C
Mathot, V. See Peeters, M., 2689P
Matsen, M. W.
—; Bates, F. S.: Conformationally Asymmetric Block Copolymers, 945P
Matsuda, T. See Saito, N., 747C; Sugawara, T., 137C
Matsui, S.
—; Ishiguro, T.; Higuchi, A.; Nakagawa, T.: Effect of Ultraviolet Light Irradiation on Gas Permeability in Polyimide Membranes. 1. Irradiation with Low Pressure Mercury Lamp on Photosensitive and Nonphotosensitive Membranes, 2259P
Matsumoto, A.
—; Hiuke, R.; Doi, T.: Evident Solvent Effect on Propagation Reactions during Radical Copolymerization of Maleimide and Alkene, 1515C
Matsumoto, K.
—; Shimazu, H.; Deguchi, M.; Yamaoka, H.: Anionic Ring-Opening Polymerization of Silacyclobutane Derivatives, 3207C
—; Uejima, H.: Regenerated Protein Fibers. I. Research and Development of a Novel Solvent for Silk Fibroin, 1949C
—; Uejima, H.; Sano, Y.; Sumino, H.: Regenerated Protein Fibers. II. Viscoelastic Behavior of Silk Fibroin Solutions, 1955C
Matsumura, Y. See Itoh, T., 741C
Matsunami, S. See Kakuchi, T., 285C
Matsuo, J.
—; Sanda, F.; Endo, T.: Anionic Ring-Opening Polymerization Behavior of a Seven-Membered Cyclic Carbonate; 1, 3-Dioxepan-2-one, 1375C
Matsuzaki, K.
—; Maeda, M.; Kondo, M.; Morishita, H.; Hamada, M.; Yamaguchi, T.; Neki, K.; Masamoto, J.: Morphospecific Polymer from the Copolymerization of Trioxane and Ethylene Oxide, 2479C
Matsuzawa, S. See Noguchi, H., 1701P
Mattice, W. L. See Martin, O., 1127P
Mattoso, L. H. C. See da Cunha, H. N., 1201P
Matyjaszewski, K. See Coca, S., 3595C; Greszta, D., 1857C
Ma, W.-W. See Chen, Y., 1185P
Ma, X.
—; Sauer, J. A.; Hara, M.: Influence of Polar and Nonpolar Plasticizers on the Mechanical Properties of a Sulfonated Polystyrene Ionomer, 1291P
Ma, Y. See Mi, Q., 3287C
Mayer, A. B. R.
—; Mark, J. E.: Comparisons between Cationic Polyelectrolytes and Nonionic Polymers for the Protection of Palladium and Platinum Nanocatalysts, 3151C
—; Mark, J. E.: Platinum Nanocatalysts Immobilized on Latex Supports, 1207P
Mayer, J. See Szadkowska-Nicze, M., 299C
Mays, J. W. See Frater, D. J., 141P, 587P; Pochan, D. J., 2629P; Storey, R. F., 3767C
Mazzotti, M. See Ghielmi, A., 827C
McCormick, A. V. See Rankin, S. E., 1293C
Mccormick, C. L. See Kathmann, E. E., 231C, 243C
McEwen, I. J. See Cowie, J. M. G., 1107P
McGee, R. L.
—; So, Y.-H.; Martin, S. J.; Broomall, C. F.; St. Jeor, V.; Curphy, J. J.; Swedberg, E. J.; Wetters, D. G.: Molecular Composite Films from Polybenzoxazole and Crosslinked Polymer Matrixes, 2157C
McGrath, J. E. See Abed, J. C., 977C; Kiefer, L. A., 3506C; Tan, B., 2943C
McGregor, E. T. See Simon, S. L., 929P
McHugh, A. J. See Barton, B. F., 569P
McKenna, G. B.
—; Crissman, J. M.: Temperature and Crosslinking Effects on the Swelling of Poly(isoprene) in Isopiestic Conditions, 817P; Colucci, D. M., 1561P; Lee, A., 1167P

McKenzie, M. T. See Mercer, F. W., 521C
Mckerrow, A. J.
—; Fox, M. A.; Leu, J.; Ho, P. S.: Preparation and Characterization of Polyimide Alternating Copolymers Incorporating *N,N'*-Bis-(4-anilino)-1,2,4,5-benzene bis(dicarboximide), 319C
Medellin-Rodriguez, F. J.
—; Phillips, P. J.; Lin, J. S.; Campos, R.: The Triple Melting Behavior of Poly(ethylene terephthalate): Molecular Weight Effects, 1757P
Mehta, M. A. See Fujinami, T., 2057P
Mekhilef, N.
—; Favis, B. D.; Carreau, P. J.: Morphological Stability, Interfacial Tension, and Dual-Phase Continuity in Polystyrene-Polyethylene Blends, 293P
Mendicuti, F. See Martin, O., 1127P
Mensitieri, G. See Manfredi, C., 133P
Mercer, F. W.
—; Fone, M. M.; McKenzie, M. T.: Synthesis and Characterization of Fluorinated Poly(aryl ether ketone)s Containing 1,4-Naphthalene Moieties, 521C
—; See Goodwin, A. A., 1963P
Mercier, R. See Abed, J. C., 977C
Meseguer Dueñas, J. M.
—; Vidaurre Garayo, A.; Romero Colomer, F.; Más Estellés, J.; Gómez Ribelles, J. L.; Monleón Pradas, M.: Structural Relaxation of Glass-Forming Polymers Based on an Equation for Configurational Entropy, 4. Structural Relaxation in Styrene–Acrylonitrile Copolymer, 2201P
Migler, K. B. See Li, S., 2935P
Mikhael, M. G.
—; Padias, A. B.; Hall, H. K., Jr.: *N*-alkylation and *N*-acylation of Polyaniline and Its Effect on Solubility and Electrical Conductivity, 1673C
—; See Kanbara, T., 2787C
Miki, N. See Echigo, Y., 2493C, 3335C
Mikoshiba, S. See Kani, R., 2355C
Mikroyannidis, J. A.
Crosslinkable Aromatic Polyimides Containing 2,3-Dicyanopyrazine Rings, 1303C
—; Soluble and Fusible Polyamides and Polyimides Containing Pyrazoline Moieties and Their Crosslinking to Heat-Resistant Resins, 1353C
Miller, C. M.
—; Clay, P. A.; Gilbert, R. G.; El-Aasser, M. S.: An Experimental Investigation on the Evolution of the Molecular Weight Distribution in Styrene Emulsion Polymerization, 989C
Miller, R. D. See Fodor, J. S., 1067P; Hall, D. B., 2795P
Minoda, M. See Yamada, K., 255C; 751C
Mi, Q.
—; Gao, L.; Li, L.; Ma, Y.; Zhang, X.; Ding, M.: Synthesis and Properties of Optically Active Aromatic Polyimides Derived from Optically Pure 1,1'-Bi-2-naphthol, 3287C
Mitra, S. S.
—; Sreekumar, K.: Poly[*N*-(2-aminoethyl)acrylamido]triethylammonium Polyhalide Derivatives: Preparation and Synthetic Applications, 1413C
Mitsuhashi, T. See Ueda, M., 371C
Mitsuno, S. See Sugiyama, K., 3349C
Mi, Y. See Guo, Q., 211C
Miyaki, N.
—; Tomita, I.; Endo, T.: Coupling Polymerization of Monofunctional Allene Derivatives with Malonates Bearing Aryl Halides Moieties via π-Allylpalladium Complex, 2097C
—; Tomita, I.; Endo, T.: Three-Component Coupling Polymerization of Bisallene, Aryl Dihalides, and Nucleophiles via π-Allylpalladium Complex. II. Effect of Nucleophiles on Polymerization, 1211C
Miyamoto, H. See Inoue, K., 1839C
Miyamoto, M.
—; Aoi, K.; Saegusa, T.: Ring-Opening Polymerization of Six- and Seven-Membered Cyclic Pseudoureas, 993C
Miyamoto, T. See Yamada, K., 255C, 751C
Miyata, H. See Yamaguchi, M., 953P
Miyata, T. See Inui, K., 699P
Miyazaki, K. See Okazaki, T., 2501C
Mizoguchi, K. See Kamiya, Y., 1049P
Mizrahi, S. See Ladyzhinski, I., 1833P
Mlynár, J. See Li, Y., 1899P
Mohamed, E. S. See Shaffie, K. A., 3141C
Mohapatra, D. K.
—; Nayak, P. L.; Lenka, S.: Polymers from Renewable Resources. XXI. Semi-Interpenetrating Polymer Networks Based on Cardanol-Formaldehyde-Substituted Aromatic Compounds Copolymerized Resins and Castor Oil Polyurethanes: Synthesis, Structure, Scanning Electron Microscopy and XRD, 3117C
Molina, I. See Bueno, M., 3645C
Monaco, M. See Cimmino, S., 1269P
Monar, K.
—; Phillips, P. J.: The Phase Morphology and Crystal Growth Habits of DNA Fractions. Optical Microscopy and Light Scattering, 1843P
Mondragon, I. See Franco, M., 233P
Monleón Pradas, M. See Meseguer Dueñas, J. M., 2201P
Monteiro, M. J. See Busfield, W. K., 263C; O'Driscoll, K. F., 515C
Monti, P. See Freddi, G., 841P
Morbidelli, M. See Apostolo, M., 1047C; See Ghielmi, A., 827C
Moreau, J. See Kamiya, Y., 1049P

Morgan, R. L. See Organ, S. J., 1775P
Morillo, M. See García-Alvarez, M., 2379P
Mori, M. See Nagai, K., 119P
Morini, G. See Albizzati, E., 2645C
Morisato, A. See Pinnau, I., 1483P
Morishita, H. See Matsuzaki, K., 2479C; Suwa, K., 1763C, 3087C
Morita, M. See John, G., 1901C
Mørk, P. C.
—; Makame, Y.: Compartmentalized Polymerization with Oil-Soluble Initiators. Kinetic Effect of Single Radical Formation., 2347C
Morvan, J. See Belali, R., 1361P
Moulinié, P. See Handa, Y. P., 2355P
Moustafa, A. B. See Shaffie, K. A., 3141C
Mühlebach, A.
—; Müller, B.; Pharisa, C.; Hofmann, M.; Seiferling, B.; Guerry, D.: New Water-Soluble Photo Crosslinkable Polymers Based on Modified Poly(vinyl alcohol), 3603C
Mülhaupt, R. See Hölderle, M., 2539C; Jüngling, S., 1C; Maier, R.-D., 1135P; Sernetz, F. G., 1571C, 2549C; Suhm, J., 735C; Xu, Z.-K., 1855P
Müller, B. See Mühlebach, A., 3603C
Mungara, P. M. See Jin, S., 499C
Muñoz–Guerra, S. See García-Alvarez, M., 2379P
Murakami, M. See Ogawa, T., 399C, 1431C
Murata, Y. See Ochi, M., 397P
Mustafaev, M. I. See Saraç, A. S., 1255C
Musto, P.
—; Tavone, S.; Guerra, G.; de Rosa, C.: Evaluation by Fourier Transform Infrared Spectroscopy of the Different Crystalline Forms in Syndiotactic Polystyrene Samples, 1055P
Myers, T. L. See Auman, B. C., 2441C
Mylonakis, S. G. See Hu, R., 1501P, 2193C

Nagai, K.
—; Mori, M.; Watanabe, T.; Nakagawa, T.: Gas Permeation Properties of Blend and Copolymer Membranes Composed of 1-Trimethylsilyl-1-Propyne and 1-Phenyl-1-Propyne Structures, 119P
Nagai, K. See Kuramoto, N., 1967C
Nagai, S. See Takahashi, H., 69C
Nagaoka, N.
—; Yoshida, M.; Asano, M.; Suwa, T.; Kubota, H.; Katakai, R.: Simultaneously Occurring Process of Radiation-Induced Polymerization, Crosslinking, and Degradation of *N*-isopropylacrylamide, 3075C
Nagasaki, Y. See Aoki, H., 2827C
Nagura, M. See Freddi, G., 841P
Nagy, A.
—; Majoros, I.; Kennedy, J. P.: Living Carbocationic Polymerization. LXII. Living Polymerization of Styrene, *p*-Methylstyrene and *p*)-Chlorostyrene Induced by the Common Ion Effect, 3341C
Naito, Y. See Kamiya, Y., 1049P
Nakagawa, T. See Matsui, S., 2259P; Nagai, K., 119P
Nakajima, K. See Lee, J., 2645P
Nakajima, N. See Kwak, S.-Y., 709P
Nakamura, H.
—; Seno, M.; Sato, T.: Effect of $LiClo_4$ on the Radical Polymerization of Di-2-[2-(2-methoxyethoxy)ethoxy]ethyl Itaconate, 153C
Nakamura, N.
—; Suzuki, K.: Study on Ketalization Reaction of Poly(vinyl alcohol) by Ketones. IX. Kinetic Study on Acetalization and Ketalization Reaction of 1,3-Butanediol as a Model Compound for Poly(vinyl alcohol), 1719C
Nakamura, S.
—; Amano, M.: Preparation of Hydrazinodeoxycellulose and Carboxyalkyl Hydrazinodeoxycelluloses and Their Adsorption Behavior Toward Heavy Metal Ions, 3359C
—; See Wang, C., 3561C
Nakanishi, Y. See Ochi, M., 397P
Nakano, Y. See Kani, R., 2355C; Majima, Y., 427C
Nakao, S.-I. See Yamaguchi, T., 469P
Nakashima, K. See Dong, J., 507P
Nakata, S.
—; Brisson, J.: Preparation of Aromatic Copolyamides Containing Regularly Placed 1,6-Hexamethylenediamine Units, 2379C
Nakato, T. See Kakuchi, T., 285C
Nakayama, T. See Ueda, M., 371C
Nakaya, T. See Wang, Y., 3065C
Nam, J.-D. See Yun, Y.-M., 2447P
Narayana, M. See Kelsey, D. R., 3027C
Natarajan, L. V. See Bunning, T. J., 2825P
Nauman, E. B. See He, D. Q., 897P
Navarro, S.
—; Carrasco, B.; Martinez, M. C. L.; De La Torre, J. G.: Deformation, Scattering, and Birefringence of Flexible Polymer Chains Under External Forces or Electric Fields, 689P
Nayak, P. L. See Mohapatra, D. K., 3117C
Neef, C. J.
—; Glatzhofer, D. T.; Nicholas, K. M.: Cyclopolymerization of 3-Phenyl[5]ferrocenophane-1,5-dimethylene: Synthesis and Electronic Properties of a Polyferrocenophane, 3365C
Neelakantan, N. R. See George, S., 2309P
Neki, K. See Matsuzaki, K., 2479C
Nemeth, R. L. See Chang, M. C. O., 553P
Newkome, G. R. See Yu, K. H., 2787P
Newman, B. A. See Christie, M. C., 2671P
Ngai, K. L.
—; Plazek, D. J.; Rizos, A. K.: Viscoelastic Properties of Amorphous Polymers. 5. A Coupling Model Analysis of the Thermorheological Complexity

of Polyisobutylene in the Glass–Rubber Softening Dispersion, 599P
—; Roland, C. M.: Terminal Relaxation and Diffusion of Entangled Three-Arm Star Polymers: Temperature and Molecular Weight Dependencies, 2503P
Ng, T. W.
Simultaneous Recording of Hv and Vv Small-Angle Light-Scattering Patterns for Crystallization Kinetics Studies, 199P
Ng, T. W.
Speckle Reduction in the Small-Angle Light Scattering Technique Using Sample Vibration, 937P
Nicholas, K. M. See Neef, C. J., 3365C
Nishida, R. See Tsuda, M., 77C
Nishikubo, T.
—; Kameyama, A.; Kaneko, A.; Yamada, Y.: Synthesis of Polymers in Aqueous Solutions: Polyaddition of Bis(oxazolines) with Dithiol in Aqueous Solutions, 2711C
—; Kameyama, A.; Ogawa, K.: A Novel Synthesis of Reactive Polymers with Pendant Halomethyl Groups by the Polyaddition Reaction of Bis(epoxide)s with Bis(chloroacetoxy)esters or Bis(bromoacetoxy)esters, 3791C
—; See Itoh, H., 3217C
Nishi, T. See Lee, J., 2645P
Nishizaka, R. See Oyanagi, K., 581C
Nitta, K.-H. See Yamaguchi, M., 953P
Nitzan, B.
—; Margel, S.: Surface Modification. II. Functionalization of Solid Surfaces with Vinylic Monomers, 171C
Noguchi, H.
—; Jyodai, H.; Matsuzawa, S.: Formation of Poly(Vinyl Alcohol)–Iodine Complexes in Solution, 1701P
Noh, I.
—; Chittur, K.; Goodman, S. L.; Hubbell, J. A.: Surface Modification of Poly(tetrafluoroethylene) with Benzophenone and Sodium Hydride by Ultraviolet Irradiation, 1499C
—; Hubbell, J. A.: Photograft Polymerization of Acrylate Monomers and Macromonomers on Photochemically Reduced PTFE Films, 3467C
Noh, S. K.
—; Kim, S.; Kim, J.; Lee, D.; Yoon, K.; Lee, H.; Lee, S.; Huh, S. W.: Investigation of the Polymerization Behavior of Polysiloxane-Bridged Dinuclear Zirconocenes as Model Compounds for a Heterogenized Metallocene at the Silica Surface, 3717C
Noiset, O.
—; Schneider, Y.; Marchand–Brynaert, J.: Surface Modification of Poly(aryl ether ether ketone) (PEEK) Film by Covalent Coupling of Amines and Amino Acids through a Spacer Arm, 3779C
Nomura, M.
—; Ichikawa, H.; Fujita, K.; Okaya, T.: Effect of the Number of Seed Polymer Particles on the Kinetic Behavior of the Seeded Emulsion Copolymerization of Styrene and Acrylamide, 2689C
Nomura, R.
—; Suko, S.-I.; Endo, T.: Preparation of Polymeric Alcohol Bearing Oligo (oxyethylene) Moiety by Radical Polyaddition through Ketyl Radical, 715C
—; See Wang, J., 1381C
Norambuena, E. See Encinas, M. V., 3095C
Norman, D. A. See Shepard, T. A., 2617P
Novakov, P. See Tzevi, R., 625C
Nozaki, T.
—; Maeda, Y.; Kitano, H.: Cyclodextrin Gels Which Have a Temperature Responsiveness, 1535C
—; See Ouchi, T., 377C
Nugay, N.
—; Nugay, T.; Jérôme, R.; Teyssié, Ph.: Anionic Polymerization of Primary Acrylates as Promoted by Lithium 2-(2-Methoxyethoxy) Ethoxide, 361C
—; Nugay, T.; Jérôme, R.; Teyssié, Ph.: Ligated Anionic Block Copolymerization of Methyl Methacrylate with *n*-Butyl Acrylate and *n*-Nonyl Acrylate as Promoted by Lithium 2-(2-Methoxyethoxy) Ethoxide/Diphenylmethyllithium, 1543C
Nugay, T. See Nugay, N., 361C, 1543C
Nunes, S. P. See Werlang, M. M., 2609P
Nuyken, O.
—; Dahn, U.: New Polyesters with Photosensitive Backbones Based on the Triazene Unit, 3017C
Nwabunma, D.
—; Long Zhou, Z.; Kyu, T.: Optical Adhesives Based on Blends of Methylmethacrylate-*co*-Glycidylmethacrylate Copolymer and Bisphenol-A Diglycidyl Ether, 1911P

Obata, M. See Haba, O., 353C
Obolonkova, E. S. See Buzin, M. I., 1973C
Ochi, M.
—; Shimizu, Y.; Nakanishi, Y.; Murata, Y.: Effect of the Network Structure on Thermal and Mechanical Properties of Mesogenic Epoxy Resin Cured with Aromatic Amine, 397P
O'Driscoll, K. F.
—; Monteiro, M. J.; Klumperman, B.: The Effect of Benzyl Alcohol on Pulsed Laser Polymerization of Styrene and Methylmethacrylate, 515C
—; See Zammit, M. A., 2311C
Ogata, N.
—; Jimenez, G.; Kawai, H.; Ogihara, T.: Structure and Thermal/Mechanical Properties of Poly(*l*-lactide)-Clay Blend, 389P
Ogata, T. See Okada, T., 2259C
Ogawa, K. See Nishikubo, T., 3791C

Ogawa, T.
—; Murakami, M.: Poly(silmethylene)-Based Polymer Blends. I. *In Situ* Polymerization of 1,3-Disilacyclobutanes in Silicon-Based Polymers, 399C
—; Murakami, M.: Poly(silmethylene)-Based Polymer Blends. II. Synthesis and Characterization of Poly(diphenylsilmethylene)/Poly(methylphenylsilmethylene) Blends[1], 1431C
Ogihara, T. See Ogata, N., 389P
Ohashi, T.
—; Kobayashi, E.; Jinbo, T.; Furukawa, J.: The Crystal Structure of 1,4-Benzenedithiol by Rietveld Analysis and Studies on the Mechanism of Solid-State Addition Polymerization of 1,4-Benzenedithiol to 1,4-Diethynylbenzene, 1621C
Ohta, Y. See Okaniwa, M., 2607C
Ohtomo, R. See Se, K., 1219C
Ohya, Y. See Ouchi, T., 377C
Oikawa, S. See Tsuda, M., 77C
Oi, T. See Hashimoto, K., 1831C
Okada, A. See Yano, K., 2289C
Okada, M.
—; Tachikawa, K.; Aoi, K.: Biodegradable Polymers Based on Renewable Resources. II. Synthesis and Biodegradability of Polyesters Containing Furan Rings, 2729C
—; See Hashimoto, K., 1831C
Okada, T.
—; Fujiwara, N.; Ogata, T.; Haba, O.; Ueda, M.: Synthesis of Regiocontrolled Poly(4,6-di-*n*-butoxy-1,3-phenylene) by Oxidative Coupling Polymerization, 2259C
Okamoto, S. See Echigo, Y., 3335C
Okamoto, Y. See Habaue, S., 721C; Luján-Upton, H., 393C
Okaniwa, M.
—; Ohta, Y.: Novel Emulsion Graft Copolymerization onto the Silylmethyl Group of Poly(dimethylsiloxane), 2607C
Okaya, T. See Nomura, M., 2689C
Okazaki, T.
—; Komiya, T.; Sanda, F.; Miyazaki, K.; Endo, T.: Syntheses and Radical Ring-Opening Polymerization Behavior of Vinylcyclopropanone Cyclic Acetals Having Exomethylene and Phenyl Groups, 2501C
—; Sanda, F.; Endo, T.: Radical Ring-Opening Polyaddition of a Bifunctional Vinylcyclopropane Bearing a Spiroacetal Moiety with Dithiols, 2487C
Okuda, J. See Sernetz, F. G., 1571C
Oliva, P. See Longo, P., 2697C
Organ, S. J.
—; Barham, P. J.; Hill, M. J.; Keller A.; Morgan, R. L.: A Study of the Crystallization of the *n*-Alkane $C_{246}H_{494}$ From Solution: Further Manifestations of the Inversion of Crystallization Rates With Temperature, 1775P
Orgueira, H. A. See Bueno, M., 3645C
Osakada, K. See Yamaguchi, I., 1265C, 2821C
Otaki, T. See Kaita, S., 2591C
Ouchi, T.
—; Nozaki, T.; Ishikawa, A.; Fujimoto, I.; Ohya, Y.: Synthesis and Enzymatic Hydrolysis of Lactic Acid-Depsipeptide Copolymers with Functionalized Pendant Groups, 377C
Oyama, H. T.
—; Lesko, J. J.; Wightman, J. P.: Interdiffusion at the Interface between Poly(vinylpyrrolidone) and Epoxy, 331P
Oyanagi, K.
—; Yoshikawa, S.; Nishizaka, R.; Tsubokawa, N.: "Living-Like" Cationic Polymerization of Isobutyl Vinyl Ether Initiated by Carboxyl Groups of Solid Surface in the Presence of Zinc Chloride, 581C
Ozaki, Y. See Dong, J., 507P
Özarslan, Ö.
—; Yilmaz, T.; Yildiz, E.; Fiedeldei, U.; Kuyulu, A.; Güngör, A.: The Preparation of Perfectly Alternating Poly(amide-imide)s via Amide Unit Containing New Diamine, 1149C
—; See Yilmaz, T., 2981C
Özdeğer, E.
—; Sudol, E. D.; El-Aasser, M. S.; Klein, A.: Role of the Nonionic Surfactant Triton X-405 in Emulsion Polymerization. I. Homopolymerization of Sytrene, 3813C
—; Sudol, E. D.; El-Aasser, M. S.; Klein, A.: Role of the Nonionic Surfactant Triton X-405 in Emulsion Polymerization. II. Homopolymerization of *n*-Butyl Acrylate, 3827C
—; Sudol, E. D.; El-Aasser, M. S.; Klein, A.: Role of the Nonionic Surfactant Triton X-405 in Emulsion Polymerization. III. Copolymerization of Styrene and *n*-Butyl Acrylate, 3837C
Özdemir, I. See Seçkin, T., 2411C

Padias, A. B. See Mikhael, M. G., 1673C
Pal, G. See Ghosh, P., 1681C
Palmgren, R.
—; Karlsson, S.; Albertsson, A.-C.: Synthesis of Degradable Crosslinked Polymers Based on 1,5-Dioxepan-2-one and Crosslinker of Bis-ε-caprolactone Type, 1635C
Pan, C. See Liu, Y., 3403C
Pant, K. See Bicerano, J., 2715P
Papkov, V. S. See Buzin, M. I., 1973C
Pardo, E. See Tomba, P., 2435P
Park, C. R. See Ha, W. S., 309P
Parker, D. D.
—; Buyle Padias, A.; Hall, H. K., Jr.: Synthesis and Polymerization Studies of *N*-Cyanomethanimine Monomers, 2703C
Park, H. S.
—; Cho, J. H.; Suh, J.: Binding of Uranyl Ion by Poly(ethylenimine) Containing a Salicylate Derivative, 2935C
Park, H. S. See Suh, J., 1197C
Park, I. See Lee, H., 1633P
Park, J. W. See Ko, Y. S., 2769C
Park, K.-H. See Imai, Y., 2055C
Park, Y.
—; Ko, J.; Ahn, T.-K.; Choe, S.: Moisture Effects on the Glass Transition and the Low

Temperature Relaxations in Semiaromatic Polyamides, 807P

Parravicini, L. See Russo, G., 889P

Parris, P. E.
—; Dunlap, D. H.; Kenkre, V. M.: Dispersive Aspects of the High-Field Hopping Mobility of Molecularly Doped Solids with Dipolar Disorder, 2803P

Parvatareddy, H. See Tan, B., 2943C

Pascault, J. P. See Matějka, L., 651C, 665C

Pastukhov, A. V. See Joseph, R., 695C

Patil, A. S. See Vibhute, S. S., 3227C

Patil, N. S.
—; Li, Y.; Rethwisch, D. G.; Dordick, J. S.: Sucrose Diacrylate: A Unique Chemically and Biologically Degradable Crosslinker for Polymeric Hydrogels, 2221C

Patrickios, C. S.
—; Forder, C.; Armes, S. P.; Billingham, N. C.: Water-Soluble ABC Triblock Copolymers Based on Vinyl Ethers: Synthesis by Living Cationic Polymerization and Solution Characterization, 1181C

Paul, D. R. See Schult, K. A., 655P, 993P; Ziaee, S., 489P, 831P

Paul, W. See Binder, K., 1P

Pazhanisamy, P.
—; Sulochana, P.; Anwaruddin, Q.; Ariff, M.: Reactivity Ratios of *N*-cyclohexylacrylamide-Styrene Copolymers by ^{1}H- and ^{13}C-NMR Spectroscopy, 193C

Pazur, R.
—; Troquet, M.; Gardette, J.-L.: Thermo- and Photooxidation of Polyisobutylene. I. Evolutions at Temperatures above 50°C, 1689C

Pearce, E. M.
Review of *Thermal Characterization of Polymeric Materials (second edition)*, 2535C

Pearson, A. J.
—; Sun, L.: An Application of Arene–Iron Chemistry in the Synthesis of a Novel Liquid Crystalline Polymer, 447C

Pearson, R. A. See Hu, R., 1501P, 2193C

Peeters, M.
—; Goderis, B.; Vonk, C.; Reynaers, H.; Mathot, V.: Morphology of Homogeneous Copolymers of Ethene and 1-Octene. I. Influence of Thermal History on Morphology, 2689P

Penczek, P. See Szczepaniak, B., 2739C

Penczek, S. See Pretula, J., 1733C

Peng, S.-C.
—; Yu, J.-W.; Lee, S.-N.: Effect of Droplet Size on the Dielectric Properties of PDLC Films, 1373P

Penlidis, A. See Dubé, M. A., 1659C

Pennings, A. J. See Flipsen, T. A. C., 41C, 1311P

Pereña, J. M. See Quijada-Garrido, I., 1473P

Perrier, G.
—; Bergeret, A.: Polystyrene–Glass Bead Composites: Maxwell–Wagner–Sillars Relaxations and Percolation, 1349P

Person, D. See Singley, E. J., 2533C

Persson, A. L.
—; Schreiber, H. P.: Bulk to Interphase Transition in Polyamide 6 Coumpounds with High Filler Content, 2457P

Petermann, J. See Yan, S., 1415P

Petkov, I. See Filipova, TZ., 1069C; Masuda, S., 3683C

Petraccone, V. See Russo, G., 889P

Petro, M.
—; Svec, F.; Fréchet, J. M. J.; Haque, S. A.; Wang, H. C.: Chromatography of Functional Polymers: A New Approach to the Characterization of Reactive Polymers Obtained by Chemical Modification, 1173C

Petropoulos, J. H. See Stamatialis, D. F., 2593P

Pharisa, C. See Mühlebach, A., 3603C

Phillips, P. J. See Medellin-Rodriguez, F. J., 1757P; Monar, K., 1843P

Phillips, R.
—; Månson, J.-A. E.: Prediction and Analysis of Nonisothermal Crystallization of Polymers, 875P

Pickett, T. J.
The Molecular Weight Distribution for Chain Polymerization Plus Side Reaction, 1711P

Pietralla, M.
—; Hotz, R.; Engst, T.; Siems, R.: Chain Direction Elastic Modulus of PE Crystal and Interlamellar Force Constant of *n*-Alkane Crystals from RAMAN Measurements, 47P
—; See Anders, S. H., 1661P

Pilichowski, J. F. See Chmela, S., 2599C

Pinnau, I.
—; Casillas, C. G.; Morisato, A.; Freeman, B. D.: Long-Term Permeation Properties of Poly(1-trimethylsilyl-1-propyne) Membranes in Hydrocarbon-Vapor Environment, 1483P

Pintar, M. M. See Choi, C., 2551P

Pissis, P. See Kyritsis, A., 1545P

Pith, T. See Lepizzera, S., 2093P

Pitsikalis, M. See Gell, C. B., 1943P

Pittman, C. U., Jr. See Liu, Y., 3655C, 3707C; Zhu, P. C., 485C, 593C

Pitton, Y. See Leterrier, Y., 1463P

Plazek, D. J. See Ngai, K. L., 599P; Simon, S. L., 929P

Pochan, D. J.
—; Gido, S. P.; Zhou, J.; Mays, J. W.; Whitmore, M.; Ryan, A. J.: Morphologies of Microphase-Separated Conformationally Asymmetric Diblock Copolymers, 2629P

Poehlein, G. W. See Wang, S., 595C

Pojman, J. A.
—; Elcan, W.; Khan, A. M.; Mathias, L.: Binary Frontal Polymerization: A New Method to Produce Simultaneous Interpenetrating Polymer Networks (SINs), 227

Pomery, P. J. See Chu, F., 1627C

Pompe, G.
—; Häußler, L.: Investigations of Transesterification in PC/PBT Melt Blends and the Proof of Immiscibility of PC and PBT at Completely Suppressed Transesterification, 2161P
Pönitsch, M.
—; Gotthardt, P.; Grüger, A.; Brion, H. G.; Kirchheim, R.: Diffusion of Small Molecules in Glassy Polymers, 2397P
Pooley, S. A. See Rivas, B. L., 2461C
Popescu, F. See Ghimici, L., 2571P
Potter, A. C. See Dargaville, T. R., 1389C
Powell, C. See Cutié, S. S., 2029P
Powell, C. See Smith, P. B., 799C
Po′, R.
—; Fiocca, L.; Abis, L.: Copolymerization of Bis(2-oxazoline)s, Anhydrides, and Diols or Diamines. Reaction Mechanisms and Polymer Properties, 3241C
Prasad, O. See Tandon, P., 2281P
Pretula, J.
—; Kaluzynski, K.; Libiszowski, J.; Szymanski, R.; Penczek, S.: Copolymers of 7-Oxabicyclo [2.2.1]heptane with 1,3-Dioxane and Promesogenic Telechelic Oligomers Thereof, 1733C
Price, G. E. See Spry, R. J., 2925P
Priester, R. D., Jr. See Liu, J., 1105C
Prosa, T. J.
—; Bauer, B. J.; Amis, E. J.; Tomalia, D. A.; Scherrenberg, R.: A SAXS Study of the Internal Structure of Dendritic Polymer Systems, 2913P
Proto, A. See Longo, P., 2697C
Pujari, P. K. See Sodaye, H. S., 771P
Pyriadi, T. M.
—; Ali Alsalami, F. M.: Synthesis, Polymerization, and Isomerization of Isoimide Containing Acrylate Esters, 3125C

Qian, R. See Liu, M., 2421P
Qiu, K. Y. See Huang, Z. H., 2403C
Qiu, K. Y. See Xu, G. Z., 643C
Qi, Y.-H. See Jiang, H.-Y., 1753C
Quek, C. H. See Liu, J., 3575C
Quijada-Garrido, I.
—; Barrales-Rienda, J. M.; Pereña, J. M.; Frutos, G.: Dynamic Mechanical and Dielectric Behavior of Erucamide (13-Cis-Docosenamide), Isotactic Poly(propylene), and Their Blends, 1473P

Radhakrishnan, G. See Mahesh, G. N., 1237C
Radic, D. See Diaz Calleja, R., 2749P
Radzilowski, L. H.
—; Thomas, E. L.: A Commentary on the Article "Verification of the Microdomain Model of Crystallinity in PVC by Electron Microscopy", 1009P
Raftery, D.
—; Smyth, M. R.; Leonard, R. G.: An Electrochemical Investigation on the Role of Saccharin in the Cure Chemistry of Anaerobic Adhesives, 3327C
Rai, P.
—; Rosen, S. L.: An Empirical Relation between the Mark–Houwink–Sakurada Constants, 1985P
Rajan, M.
—; Ellison, M. S.: A TSC Investigation of Polymer–Polymer Contact Charging, 2901P
Rajaraman, S. K. See Crivello, J. V., 1579C, 1593C, 1985C, 2521C
Rajendran, V. See Balakrishnan, T., 727C
Ramis, X.
—; Salla, J. M.: Time-Temperature Transformation (TTT) Cure Diagram of an Unsaturated Polyester Resin, 371P
Ramon, O. See Ladyzhinski, I., 1833P
Rankin, S. E.
—; Macosko, C. W.; McCormick, A. V.: Copolymerization Kinetics of a Model Siloxane System, 1293C
Rapacciuolo, M. See Manfredi, C., 133P
Rasmussen, P. G. See Annis, B. K., 2765P
Rastogi, S. See Tandon, P., 2281P
Ratway, R. J.
—; Balik, C. M.: Surface Modification of Chlorobutyl Rubber by Plasma Polymerization, 1651P
Ray, A.
—; Gupta, S. N.: Construction of Template Ligand Sites in Polymeric Matrices with Dithizone, 3729C
Ray, W. H. See Hamba, M., 2075C; Han-Adebekun, G. C., 2063C
Rebelo, L. P. N.
—; De Sousa, H. C.; Van Hook, W. A.: Hypercritically Enhanced Distortion of a Phase Diagram: The (Polystyrene + Acetaldehyde) System, 631P
Rebosio, L. See Staccione, A., 2073P
Reeb, R. See Eisele, G., 2333C
Reeve, J. L. See Barton, B. F., 569P
Reinhardt, B. A. See Larmat, F., 3627C
Rejdych, J. See Szczepaniak, B., 2739C
Rempel, G. L. See Thompson, M. R., 3083C
Rethwisch, D. G. See Patil, N. S., 2221C
Reynaers, H. See Peeters, M., 2689P
Reynolds, J. R. See Larmat, F., 3627C
Rhee, D. M. See Ha, W. S., 309P
Riande, E. See Guzmán, J., 1125C
Rimmer, S. See Ebdon, J. R., 3255C
Riou, S. A.
—; Chien, B. T.; Hsu, S. L.; Stidham, H. D.: A Spectroscopic Study of Polymers Containing Long Flexible Side Chains at an Air-Liquid Interface, 2843P
Riva, F. See Gentile, G., 2193P
Rivas, B. L.
—; Pooley, S. A.; Soto, M.; Geckeler, K. E.: Synthesis, Characterization, and Polychelatogenic Properties of Poly(acrylic acid-*co*-acrylamide), 2461C
Riza, M. See Capek, I., 3131C

Rizos, A. K. See Ngai, K. L., 599P
Roland, C. M. See Ngai, K. L., 2503P
Romero Colomer, F. See Meseguer Dueñas, J. M., 2201P
Roovers, J. See Handa, Y. P., 2355P
Ropson, N.
—; Dubois, Ph.; Jérôme, R.; Teyssié, Ph.: Synthesis and Characterization of Biodegradable Homopolymers and Block Copolymers Based on Adipic Anhydride, 183C
Rosen, S. L. See Rai, P., 1985P
Rosen, W. See Huang, J.-T., 439C
Rossitto, F. C. See Lahti, P. M., 2167C
Roundhill, D. M. See Tzevi, R., 625C
Rózga-Wijas, K.
—; Chojnowski, J.; Boileau, S.: Optically Active Dimethylsiloxane Copolymers with Nucleophilic Chiral Sulfur Groups Pendant to the Polysiloxane Chain, 879C
Ruckenstein, E. See Zhang, H., 2901C
Rudin, A. See Choi, C., 2551P
Rudolf, B. See Maier, R.-D., 1135P
Rufs, A. M. See Encinas, M. V., 3095C
Russell, J. D. See Colucci, D. M., 1561P
Russell, K. E. See Forsyth, J. C., 3517C
Russell, T. P. See Fodor, J. S., 1067P
Russo, G.
—; Parravicini, L.; Auriemma, F.; Petraccone, V.; Guerra, G.; Bianchi, R.; Di Dino, G.; Vitagliano, V. M.: Structure–Properties Relationship in Spun Fibers of Poly(ethylene terephthalate): Comparisons between Samples Obtained by Terephthalic Acid or Dimethyl Terephthalate Processes, 889P
Russo, P. S. See Yu, K. H., 2787P
Ruth, W. G.
—; Brittain, W. J.: Silicon-Mediated Synthesis of New Amphiphilic Oligomers, 163C
Ryan, A. J. See Pochan, D. J., 2629P
Rybnikar, F.
—; Geil, P. H.: Morphology, Crystal Structure, and Orientation of Poly-*p*-oxybenzoate on Mica, 1807P
Ryu, C. Y.
—; Lee, M. S.; Hajduk, D. A.; Lodge, T. P.: Structure and Viscoelasticity of Matched Asymmetric Diblock and Triblock Copolymers in the Cylinder and Sphere Microstructures, 2811P

Saegusa, T. See Miyamoto, M., 993C
Sagar, A. D.
—; Salunkhe, M. M.; Wadgaonkar, P. P.; Sarawade, B. D.; Mahajan, S. S.: Synthesis and Characterization of Aromatic Polyamides Containing *s*-Triazine Rings in the Main Chain, 1077C
Saito, N.
—; Yamashita, S.; Matsuda, T.: Laser-Irradiation-Induced Surface Graft Polymerization Method, 747C
Sakai, W. See Tsutsumi, N., 1869P
Sakurai, I. See Wang, Y., 3065C
Salla, J. M. See Ramis, X., 371P
Salunkhe, M. M. See Sagar, A. D., 1077C
Samuels, R. J. See Hardaker, S. S., 777P
Sanchez-Camacho, A. See Martin, O., 1127P
Sanchis, M. J. See Diaz Calleja, R., 2749P
Sanda, F.
—; Abe, T.; Endo, T.: Syntheses and Radical Polymerizations of Optically Active (Meth)acrylamides Having Amino Acid Moieties, 2619C
—; See Azuma, N., 1007C, 3235C, 3673C; Choi, W., 3853C; Koyama, E., 345C, 2925C; Lee, S.-D., 689C, 1333C; Matsuo, J., 1375C; Okazaki, T., 2487C, 2501C
Sangen, O. See Kawatsuki, N., 1849C
Sannigrahi, B.
—; Wadgaonkar, P. P.; Sehra, J. C.; Sivaram, S.: Copolymerization of Methyl Methacrylate with Lauryl Methacrylate Using Group Transfer Polymerization, 1999C
Sanopoulou, M. See Stamatialis, D. F., 2593P
Sano, Y. See Matsumoto, K., 1955C
Santos, R. M.
—; Forcada, J.: Acetal-Functionalized Polymer Particles Useful for Immunoassays, 1605C
Saraç, A. S.
—; Sönmez, G.; Ustamehmetoğlu, B.; Mustafaev, M. I.: Water-Soluble Polypyrroles by Matrix Polymerization: Interpolymer Complexes, 1255C
Saramago, B. J. V. See Gomes, C. M., 407P
Sarawade, B. D. See Sagar, A. D., 1077C
Sarkanen, S. See Li, Y., 1899P
Sarti, G. C. See Doghieri, F., 2245P
Sasabe, H. See Zhang, Y., 2041C
Sastre, R. See Costela, A., 3801C
Sastry, M. D. See Kumar, M., 187P
Sata, H. See Kimura, F., 2741P
Satkowski, M. M. See Kane, L., 2653P
Sato, T.
—; Kitajima, T.; Seno, M.: Radical Polymerization of Benzyl *N*-(2,6-dimethylphenyl)itaconamate, 1891C
—; See Nakamura, H., 153C; Shimomura, O., 2813C
Sauer, B. B.
—; Avakian, P.; Flexman, E. A.; Keating, M.; Hsiao, B. S.; Verma, R. K.: A.C. Dielectric and TSC Studies of Constrained Amorphous Motions in Flexible Polymers Including Poly(OxyMethylene) and Miscible Blends, 2121P
—; See Vaia, R. A., 59P
Sauer, J. A. See Ma, X., 1291P
Sawamoto, M. See Lu, J., 1423C
Scardio, B. M. See Kelsey, D. R., 3027C, 3049C

Schab-Balcerzak, E. See Sek, D., 539C
Schantz, S.
—; Veeman, W. S.: Nanoheterogeneity in PEO/PMMA Blends Probed by ^{129}Xe-NMR, 2681P
Scheinbeim, J. I. See Christie, M. C., 2671P
Scherrenberg, R. See Prosa, T. J., 2913P
Schmuecking, I. See Weidner, S., 2183C
Schneider, H. A. See Urbanovici, E., 359P
Schneider, M. J. See Suhm, J., 735C
Schneider, Y. See Noiset, O., 3779C
Schoonbrood, H. A. S.
—; Unzué, M. J.; Amalvy, J. I.; Asua, J. M.: Reactive Surfactants in Heterophase Polymerization. VIII. Emulsion Polymerization of Alkyl Sulfopropyl Maleate Polymerizable Surfactants (Surfmers) with Styrene, 2561C
Schork, F. J. See Wang, S., 595C
Schreiber, H. P. See Persson, A. L., 2457P; Wang, W., 1793P
Schroeder, H. See Weidner, S., 2183C
Schult, K. A.
—; Paul, D. R.: Water Sorption and Transport in Blends of Polyethyloxazoline and Polythersulfone, 993P
—; Paul, D. R.: Water Sorption and Transport in Blends of Poly(vinyl pyrrolidone) and Polysulfone, 655P
Schwach, G.
—; Coudane, J.; Engel, R.; Vert, M.: More about the Polymerization of Lactides in the Presence of Stannous Octoate, 3431C
Schwach, G. See Coudane, J., 1651C
Schwarz, B. See Weidner, S., 2183C
Scott, D. C. See Marks, M. J., 385C
Seçkin, T.
—; Alici, B.; Çetinkaya, E.; Özdemir, I.: Synthesis and Characterization of *N*-Substituted 1,4,5,6-Tetrahydropyrimidine Containing Functional Polymers As SO_2 and CO_2 Sorbents, 2411C
Seguchi, T. See Yamazaki, T., 279C, 2431C
Séguéla, R. See Gaucher-Miri, V., 2151P
Sehra, J. C. See Sannigrahi, B., 1999C
Seiferling, B. See Mühlebach, A., 3603C
Seifert, I. See Weidner, S., 2183C
Seitz, J. T. See Bicerano, J., 2715P
Se, K.
—; Kijima, M.; Ohtomo, R.; Fujimoto, T.: Quaternization of Poly(tertiary aminostyrene)s and Characterization of the Quaternized Polymers, 1219C
Sek, D.
—; Wanic, A.; Schab-Balcerzak, E.: Investigation of Polyimides Containing Naphthalene Units. III. Influence of Monomers Structure on Polymers Properties, 539C
Selampinar, F.
—; Akbulut, U.; Yilmaz, T.; Gungor, A.; Toppare, L.: Synthesis of a Hexafluoropropylidene-Bis(phthalic anhydride)-Based Polyimide and Its Conducting Polymer Composites with Polypyrrole, 3009C
Selvaraj, P. C.
—; Mahadevan, V.: Polymer-Supported Palladium and Rhodium Species as Hydrogenation Catalysts, 105C
Şenkal, B. F. See Biçak, N., 2857C
Seno, M. See Nakamura, H., 153C; Sato, T., 1891C
Sernetz, F. G.
—; Mülhaupt, R.: Metallocene-Catalyzed Ethene/styrene Co- and Terpolymerization with Olefinic Termonomers, 2549C
—; Mülhaupt, R.; Amor, F.; Eberle, T.; Okuda, J.: Copolymerization of Ethene with Styrene Using Different Methylalumoxane Activated Half-Sandwich Complexes, 1571C
Sertova, N. See Masuda, S., 3683C
Sessa, I. See Longo, P., 2697C
Shaffer, T. D.
—; Ashbaugh, J. R.: Noncoordinating Anions in Carbocationic Polymerization, 329C
Shaffie, K. A.
—; Moustafa, A. B.; Mohamed, E. S.; Badran, A. S.: The course of Emulsion Polymerization of Vinyl Acetate Using Redox Systems of Different Oxidizing Agents, 3141C
Shanahan, M. E. R. See Xiao, G. Z., 2659P
Shao, Z. See Sun, Y., 1405P
Shen, Q. H.
—; Interrante, L. V.: Preparation and Thermal Properties of Asymmetrically Substituted Poly (silylenemethylene)s, 3193C
Shen, Y.
—; Shen, Z.; Zhang, Y.; Hang, Q.: A Comparison of Polymerization Characteristics and Mechanisms of ε-Caprolactone and Trimethylene Carbonate with Rare Earth Halides, 1339C
—; Wan, M.: Soluble Conductive Polypyrrole Synthesized by *In Situ* Doping with β-Naphthalene Sulphonic Acid, 3689C
Shen, Z. See Shen, Y., 1339C; Zeng, X., 2177C
Shepard, T. A.
—; Delsorbo, C. R.; Louth, R. M.; Walborn, J. L.; Norman, D. A.; Harvey, N. G.; Spontak, R. J.: Self-Organization and Polyolefin Nucleation Efficacy of 1,3:2,4-Di-*p*-Methylbenzylidene Sorbitol, 2617P
Shibata, M. See Kakuchi, T., 285C
Shi, L. See Xu, J., 827P
Shimazu, H. See Matsumoto, K., 3207C
Shim, H.-K. See Yoon, C.-B., 2253C
Shimizu, Y. See Ochi, M., 397P

Shimomura, O.
—; Sato, T.; Tomita, I.; Suzuki, M.; Endo. T.: Synthesis and Radical Polymerization of 2-Vinyldibenzothiophene, 2813C
Shipp, D. A. See Dargaville, T. R., 1399C
Shiraishi, K. See Sugiyama, K., 3349C
Shishido, Y. See Kuramoto, N., 1967C
Shoemake, K. A. See Storey, R. F., 3767C
Siakali-Kioulafa, E. See Zioga, A., 1589P
Siddiq, M.
—; Li, B.; Wu, C.: Laser Light Scattering of the Molecular Weight Distribution of Unfractionated Phenolphthalein Poly(aryl ether sulfone), 85P
Siems, R. See Pietralla, M., 47P
Silvestre, C. See Cimmino, S., 1269P
Simon, G. P. See Varley, R. J., 153P
Simon, S. L.
—; Plazek, D. J.; Sobieski, J. W.; McGregor, E. T.: Physical Aging of a Polyetherimide: Volume Recovery and Its Comparison to Creep and Enthalpy Measurements, 929P
Singley, E. J.
—; Daniel, A.; Person, D.; Beckman, E. J.: Determination of Mark–Houwink Parameters for Poly(*N*-vinylformamide), 2533C
Sioula, S. See Frater, D. J., 587P
Sivaraman, A. See Mahesh, G. N., 1237C
Sivaram, S. See De, B. B., 1809C; Sannigrahi, B., 1999C
Sloan, J. M. See Hong, S. U., 1261P
Smid, J. See Belcheva, N., 1819C
Smith, P. B.
—; Cutié, S. S.; Henton, D. E.; Powell, C.; Kosman, J.; Howell, B. A.: Allyl Endcapped Polyethylene Oxide Crosslinkers and Their Use in Superabsorbents, 799C
—; See Cutié, S. S., 2029P
Smith, S. D. See Kane, L., 2653P
Smyth, M. R. See Raftery, D., 3327C
Sobieski, J. W. See Simon, S. L., 929P
Sodaye, H. S.
—; Pujari, P. K.; Goswami, A.; Manohar, S. B.: Probing the Microstructure of Nafion-117 Using Positron Annihilation Spectroscopy, 771P
Soga, K.
—; Kaji, E.; Uozumi, T.: Polymerization of Propene with the $MgCl_2$-Supported Dichlorobis(β-diketonato)titanium Catalysts Combined with Methylaluminoxane or an Ordinary Alkylaluminum, 823C
—; Suzuki, Y.; Uozumi, T.; Kaji, E.: Polymerization of Propene with the $XTiCl_3/MgCl_2$-Al(i-Bu)$_3$ Catalyst System (X = Cyclopentadienyl, Pentamethylcyclopentadienyl, Indenyl, and Heptamethylindenyl) in the Absence and Presence of a Lewis Base, 291C
Soini, A. E. See Chernyshev, A. V., 1799C
Soini, E. See Chernyshev, A. V., 1799C
Solomon, D. H. See Dargaville, T. R., 1389C, 1399C; Zhang, X., 2233P
Solomon, J. S. See Spry, R. J., 2925P
Song, K. S. See Lee, H. S., 1821P
Sönmez, G. See Saraç, A. S., 1255C
Soto, M. See Rivas, B. L., 2461C
Soutar, I. See Davidson, K., 963P
So, Y.-H.
Polybenzoxazole from 1,4-Bis(trichloromethyl)benzene, 2143C
—; See McGee, R. L., 2157C
Sperling, L. H. See Baidak, A. A., 1973P; Hu, R., 1501P, 2193C
Spontak, R. J. See Kane, L., 2653P; Shepard, T. A., 2617P
Springer, J. See Xu, Z.-K., 1855P
Spruiell, J. E. See Ding, Z., 1077P
Spry, R. J.
—; Alexander, M. D., Jr.; Bai, S. J.; Dang, T. D.; Price, G. E.; Dean, D. R.; Kumar, B.; Solomon, J. S.; Arnold, F. E.: Anisotropic Ionic Conductivity of Lithium-Doped Sulfonated PBI, 2925P
Sreekumar, K. See Mitra, S. S., 1413C
Srinivasan, K. R. See Tan, L.-S., 1909C
Staccione, A.
—; Ajroldi, G.; Marchionni, G.; Rebosio, L.: Heat Capacities of Perfluoropolyethers, 2073P
Stamatialis, D. F.
—; Sanopoulou, M.; Petropoulos, J. H.: Phenomenology and Mechanisms of Unidimensional Stress-Dependent Micromolecular Transport in a Stiff-Chain Polymer. III. Effect of Modification of the Polymer, 2593P
Staples, T. L. See Cutié, S. S., 2029P
Stark, P. See Lehtinen, C., 307C
Stastna, J. See Zanzotto, L., 1225P
St. Clair, A. K. See Eashoo, M., 173P
Stei..häusler, T.
—; Koros, W. J.: Gas Permeation and Sorption Studies on Stereoregular Polynorbornene, 91P
Stenekes, R. See Flipsen, T. A. C., 1311P
Stepanek, P.
—; Almdal, K.; Lodge, T. P.: Polarized and Depolarized Dynamic Light Scattering from a Block Copolymer Melt, 1643P
—; See Brown, W., 1013P
Stern, T.
—; Wachtel, E.; Marom, G.: Epitaxy and Lamellar Twisting in Transcrystalline Polyethylene, 2429P
Steward, D. See Kirkwood, K., 3323C
Stidham, H. D. See Riou, S. A., 2843P
St. Jeor, V. See McGee, R. L., 2157C
Storey, R. F.
—; Shoemake, K. A.; Mays, J. W.; Harville, S.: Synthesis and

Characterization of Multiarm Star-Branched Polyisobutylenes: Effect of Arm Molecular Weight, 3767C
Storti, G. See Ghielmi, A., 827C
Stoyanova, M. G. See Todorov, N. G., 1933C
Straub, W.
—; Ermer, H.; Coen, M. C.; Mäder, D.; Kressler, J.; Brenn, R.; Weber, M.: Interdiffusion Measurements of Modified Poly(arylether Sulfone)s Using Nuclear Reaction Analysis, 2083P
Strehmel, V.
Model Reactions and Formation of Epoxy Networks with the Phenylbenzoate Mesogen, 2653C
Suarez, N. See Grimau, M., 2483P
Su, C. C.
—; Woo, E. M.: Diffusion-Controlled Reaction Mechanisms during Cure in Polycarbonate-Modified Epoxy Networks, 2141P
Suddaby, K. G. See Kukulj, D., 859C
Sudol, E. D. See Blythe, P. J., 807C; Özdeğer, E., 3813C, 3827C, 3837C
Sue, H.-J. See Lin, Q., 2363P
Sugawara, T.
—; Matsuda, T.: Synthesis and Photochemical Surface Fixation of Hydroxylated Cascade Molecules, 137C
Sugihara, J. See Uyama, H., 1453C
Sugisaki, A. See Kimura, F., 2741P
Sugiyama, K.
—; Mitsuno, S.; Shiraishi, K.: Adsorption of Protein on the Surface of Thermosensitive Poly(Methyl Methacrylate) Microspheres Modified with the *N*-(2-Hydroxypropyl)methacrylamide and 2-(Methacryloyloxy)ethyl Phosphorylcholine Moieties, 3349C
Suh, J.
—; Hong, S. H.: Self-Optimization of Binding Sites by Ni(II) Ion on Carboxypyrazine-Containing Poly(ethylenimine), 533C
—; Jeung, C.-S.: Oxaaza Macrocycles Constructed on Poly(ethylenimine) through Ni(II)-Template Cyclization and Their Metal Binding, 527C
—; Park, H. S.: Fe(III) Sequestering Agents Built on Poly(ethylenimine) through Crosslinkage of Three Molecules of a Salicylate Derivative Preassembled by Fe(III) Ion, 1197C
—; See Lee, K., 1825C; Park, H. S., 2935C
Suh, M. P. See Lee, K., 1825C
Suhm, J.
—; Schneider, M. J.; Mülhaupt, R.: Temperature Dependence of Copolymerization Parameters in Ethene/1-Octene Copolymerization Using Homogeneous *rac*-$Me_2Si(2\text{-}MeBenz[e]Ind)_2ZrCl_2$/MAO Catalyst, 735C
Suko, S.-I. See Nomura, R., 715C
Sulochana, P. See Pazhanisamy, P., 193C
Sumino, H. See Matsumoto, K., 1955C
Sundar, R. A.
—; Keller, T. M.: Linear Diacetylene Polymers Containing Bis(dimethylsilyl)phenyl and/or Bis-(tetramethyldisiloxane)carborane Residues: Their Synthesis, Characterization and Thermal and Oxidative Properties, 2357C
Sun, J. See Feng, Y., 1283C; Huang, J.-T., 439C
Sun, L. See Pearson, A. J., 447C
Sun, S.-J. See Kricheldorf, H. R., 1611C
Sun, Y.
—; Shao, Z.; Hu, P.; Yu, T.: Hydrogen Bonds in Silk Fibroin-Poly(acrylonitrile-*co*-methyl acrylate) Blends: FT–IR Study, 1405P
Sun, Y.-M. See Huang, C.-W., 1873C
Surana, R. K.
—; Danner, R. P.; Tihminlioglu, F.; Duda, J. L.: Evaluation of Inverse Gas Chromatography for Prediction and Measurement of Diffusion Coefficients, 1233P
—; See Tihminlioglu, F., 1279P
Surovtsev, I. V. See Chernyshev, A. V., 1799C
Sutherland, R. L. See Bunning, T. J., 2825P
Suwa, K.
—; Morishita, K.; Kishida, A.; Akashi, M.: Synthesis and Functionalities of Poly(*N*-Vinylalkylamide). V. Control of a Lower Critical Solution Temperature of Poly(*N*-Vinylalkylamide), 3087C
—; Wada, Y.; Kikunaga, Y.; Morishita, K.; Kishida, A.; Akashi, M.: Synthesis and Functionalities of Poly(*N*-vinylalkylamide). IV. Synthesis and Free Radical Polymerization of *N*-vinylisobutyramide and Thermosensitive Properties of the Polymer, 1763C
—; Wada, Y.; Kishida, A.; Akashi, M.: Synthesis and Functionalities of Poly(*N*-Vinylalkylamide). VI. A Novel Thermosensitive Hydrogel Crosslinked Poly(*N*-Vinylisobutyramide), 3377C
Suwa, T. See Nagaoka, N., 3075C
Suzuki, K. See Nakamura, N., 1719C
Suzuki, M. See Shimomura, O., 2813C
Suzuki, Y. See Soga, K., 291C
Svec, F. See Liang, Y.-C., 2631C; Petro, M., 1173C; Xie, S., 1013C
Swanson, L. See Davidson, K., 963P
Swedberg, E. J. See McGee, R. L., 2157C
Szadkowska-Nicze, M.
—; Kiszka, M.; Mayer, J.: Transient Species in Pulse-Irradiated Poly(methyl methacrylate) Pure and Doped with Pyrene, 299C
Szczepaniak, B.
—; Frisch, K. C.; Penczek, P.; Rejdych, J.; Winiarska, A.: Curing of Liquid Crystalline

Epoxy Resins with a Biguanide, 2739C
Szymanski, R. See Pretula, J., 1733C

Tabar, R. J. See Lepers, J. C., 2271P
Taboada, J. M. See Tang, H., 2385P
Tachikawa, K. See Okada, M., 2729C
Taguchi, M. See Tomita, I., 431C
Taguchi, Y.
—; Uyama, H.; Kobayashi, S.: Synthesis and Curing Behavior of Alkyl-Substituted Poly(aryl ether ketone)s Having a Crosslinkable Styryl Group at Chain Ends, 271C
Taha, M. See Chalamet, Y., 3697C
Takagi, K. See Tomita, I., 431C
Takahashi, H.
—; Ueda, A.; Nagai, S.: Synthesis of New Macro-Azo-Initiators Having Two Kinds of Azo Linkages in Repeating Unit and Block Copolymerization by Two-Step Radical Polymerization Initiated with Them, 69C
Takahashi, Y.
Neutron Structure Analysis of Poly(vinyl Alcohol), 193P
Takata, T. See Azuma, N., 1007C, 3235C, 3673C
Takayama, T. See Wang, C., 3561C
Takeichi, T.
—; Tanikawa, M.; Zuo, M.: Polyimide Containing Internal Acetylene Units Linked *Para* to the Aromatic Ring, 2395C
—; See Tanaka, H., 3537C; Zuo, M., 3745C
Takekoshi, T.
—; Terry, J. M.: Macrocyclic Oligoimides. I. Preparation of Macrocyclic Oligoetherimides via Kricheldorf Substitution Polymerization, 759C
Tanaka, H.
—; Takeichi, T.; Hongo, T.: Radical Homo- and Copolymerizations of Methy α-Trifluoroacetoxyacrylate, 3537C
Tanaka, N. See Yoshizako, K., 2747C
Tan, B.
—; Vasudevan, V.; Lee, Y. J.; Gardner, S.; Davis, R. M.; Bullions, T.; Loos, A. C.; Parvatareddy, H.; Dillard, D. A.; McGrath, J. E.; Cella, J.: Design and Characterization of Thermosetting Polyimide Structural Adhesive and Composite Matrix Systems, 2943C
Tandon, P.
—; Gupta, V. D.; Prasad, O.; Rastogi, S.; Gupta, V. P.: Heat Capacity and Phonon Dispersion in Poly(L-Methionine), 2281P
Tang, H.
—; Cao, G.; Taboada, J. M.; Chen, R. T.: Improved Optical Quality of Crosslinkable Nonlinear Polymer Waveguides by Anchoring the Diffusive Small Molecules, 2385P
Tang, J. See John, J., 1139C
Tanigawa, S. See Ledono, K., 1601P
Tan, J. S. See Colby, R. H., 2951P
Tan, L.-S.
—; Srinivasan, K. R.; Bai, S. J.: New Aromatic Benzazole Polymers. I. Benzobisthiazole and Benzobisoxazole Polymers with Main-Chain Triarylamino Units, 1909C
Tanikawa, M. See Takeichi, T., 2395C
Tarasov, A. V. See Krykin, M. A., 1339P
Tashiro, K.
—; Asanaga, H.; Ishino, K.; Tazaki, R.; Kobayashi, M.: Development of a New Software for the X-ray Structural Analysis of Polymer Crystals by Utilizing the X-ray Imaging Plate System, 1677P
Tatar, L.
—; Kaptan, H. Y.: Computer-Simulation Analysis of the ESR Spectra of Mechanoradicals in PMMA, 2195P
Tavone, S. See Musto, P., 1055P
Tazaki, R. See Tashiro, K., 1677P
Tebby, J. C. See Zhang, Y., 493C, 2865C
Tee, C. F. See Khor, E., 2049C
Tenc-Popovic, M. E.
—; Bogunovic, L. J.; Jankovic, D. D.; Velickovic, A. D.: New Synthesis of Liquid Polysulfide Polymers in the Presence of Hydrazine. I. Synthesis of Linear Polysulfide Polymers from 1,1′-[Methylenebis(oxy)]-bis-[2-chloroethane] and Sodium Tetrasulfide, 1363C
—; Bogunovic, L. J.; Krivokuca, M. R.: New Synthesis of Liquid Polysulfide Polymers in the Presence of Hydrazine. II. The Synthesis of Linear Polymers from 1,1′-[Methylenebis(oxy)]-bis-[2-chloroethane] and Na_2S_3 or $Na_2S_{2.5}$, 1369C
Terada, K. See Kamiya, Y., 1049P
Terry, J. M. See Takekoshi, T., 759C
Teyssié, P. See Creutz, S., 2035C
Teyssié, Ph. See Antoun, S., 3637C; Nugay, N., 361C, 1543C; Ropson, N., 183C
Tharanikkarasu, K. See Mahesh, G. N., 1237C
Thomann, R. See Maier, R.-D., 1135P
Thomas, E. L. See Radzilowski, L. H., 1009P
Thomas, S. See George, S., 2309P; Unnikrishnan, G., 725P
Thompson, M. R.
—; Tzoganakis, C.; Rempel, G. L.: Evaluation of Vinylidene Group Content in Degraded Polypropylene, 3083C
Tian, D.
—; Dubois, P.; Jérôme, R.: Biodegradable and Biocompatible Inorganic–Organic Hybrid Materials. I. Synthesis and Characterization, 2295C
Tihminlioglu, F.
—; Surana, R. K.; Danner, R. P.; Duda, J. L.: Finite Concentration Inverse Gas Chromatography: Diffusion and Partition Measurements, 1279P
—; See Surana, R. K., 1233P
Timofeeva, G. I. See Davankov, V. A., 3847C
Tobita, H.
Molecular Weight Distribution in

Nonlinear Emulsion Polymerization, 1515P
Todorov, N. G.
—; Stoyanova, M. G.; Tosheva, S.: Water-Soluble Polymer Carriers. Ionically Bonded Substances with Physiological Activity, 1933C
Tokuda, T. See Aoki, H., 2827C
Tomalia, D. A. See Prosa, T. J., 2913P
Tomba, P.
—; Carella, J.; Pardo, E.: Development of a Simple Experimental Method to Measure Interphase Composition Profiles Generated by Diffusion in Polymers, 2435P
Tomida, M. See Kakuchi, T., 285C
Tomihata, K.
—; Ikada, Y.: Crosslinking of Hyaluronic Acid with Glutaraldehyde, 3553C
Tomioka, I. See Echigo, Y., 2493C
Tomita, I.
—; Taguchi, M.; Takagi, K.; Endo, T.: Block Copolymerization of Allene Derivatives with Isocyanides by the Coordination Polymerization with π-Allylnickel Catalyst, 431C
—; See Kuroda, H., 787C; Miyaki, N., 1211C, 2097C; Shimomura, O., 2813C
Tomka, I. See Beck, M. I., 639P
Tondiglia, V. P. See Bunning, T. J., 2825P
Tong, Y. See Huang, W., 143C
Tong, Z. See Liu, X., 1433P
Toppare, L. See Selampinar, F., 3009C
Torkelson, J. M. See Hall, D. B., 2795P
Tosheva, S. See Todorov, N. G., 1933C
Tredici, A. See Apostolo, M., 1047C
Tregre, G. J.
—; Mathias, L. J.: A Diacetylene Polymer via Oxidative Coupling of Dipropargylfluorene, 587C
Troev, K. See Tzevi, R., 625C
Trompette, J. L.
—; Fabrègue, E.; Cassanas, G.: Influence of the Monomer Properties on the Rheological Behavior of Chemically Crosslinked Hydrogels, 2535P
Troquet, M. See Pazur, R., 1689C
Tsai, J.-S. See Liaw, D.-J., 475C, 1157C, 2759C
Tsai, W. See Hsu, L., 2843C
Tse, O. K. See Vaia, R. A., 59P
Tsiang, R. C. See Hou, H., 2969C
Tsiang, R. C.-C. See Liu, J.-M., 3393C
Tsubakihara, S. See Yasuniwa, M., 535P
Tsubokawa, N. See Oyanagi, K., 581C
Tsuda, M.
—; Hata, M.; Nishida, R.; Oikawa, S.: Acid-Catalyzed Degradation Mechanism of Poly(phthalaldehyde): Unzipping Reaction of Chemical Amplification Resist, 77C
Tsuda, S. See John, G., 1901C
Tsukada, M. See Freddi, G., 841P
Tsutsumi, N.
—; Kizu, S.; Sakai, W.; Kiyotsukuri, T.: Thermal Diffusivity Study of Polystyrene/Poly(vinyl methyl ether) Blends by Flash Radiometry, 1869P
Tsvetanov, C. See Belcheva, N., 1819C
Tsyurupa, M. P. See Davankov, V. A., 3847C; Joseph, R., 695C
Tukhvatullin, R. G. See Brenerman, M. L., 33P
Tylianakis, E. I.
—; Dais, P.; Heatley, F.: Non-Kramers' Behavior of the Chain Local Dynamics of PVC in Dilute Solution. Carbon-13 NMR Relaxation Study, 317P
Tzevi, R.
—; Novakov, P.; Troev, K.; Roundhill, D. M.: Synthesis of Poly(oxyethylene phosphonate)s Bearing Oxirane Groups in the Side Chain, 625C
Tzoganakis, C. See Thompson, M. R., 3083C

Ueda, A. See Takahashi, H., 69C
Ueda, M.
—; Nakayama, T.; Mitsuhashi, T.: Synthesis of Photoreactive Isopropyl-Substituted Poly(phenylene ether ether ketone), 371C
—; See Konno, K., 605C, 2267C; Okada, T., 2259C
Uejima, H. See Matsumoto, K., 1949C, 1955C
Unnikrishnan, G.
—; Thomas, S.: Sorption and Diffusion of Aliphatic Hydrocarbons into Crosslinked Natural Rubber, 725P
Uno, T. See Habaue, S., 721C
Unwin, A. P. See Brooks, N. W., 545P
Unzué, M. J. See Schoonbrood, H. A. S., 2561C
Uozumi, T. See Ledono, K., 1601P; Soga, K., 291C, 823C
Uragami, T. See Inui, K., 699P
Urankar, E. J.
—; Fréchet, J. M. J.: Photogenerated Base in Polymer Curing and Imaging: Design of Reactive Styrenic Copolymers Susceptible to a Base-Catalyzed β-Elimination, 3543C
Urbanovici, E.
—; Schneider, H. A.; Cantow, H. J.: Some Considerations Concerning the Temperature Dependence of the Bulk Crystallization Rate Constants of Polymeric Materials, 359P
Ustamehmetoğlu, B. See Saraç, A. S., 1255C
Ustariz-Peyret, C. See Coudane, J., 1651C
Usuki, A. See Yano, K., 2289C
Utracki, L. A. See Luciani, A., 1393P
Uyama, H.
—; Kurioka, H.; Sugihara, J.; Komatsu, I.; Kobayashi, S.: Oxidative Polymerization of *p*-Alkylphenols Catalyzed by Horseradish Peroxidase, 1453C
—; See Taguchi, Y., 271C

Vaia, R. A.
—; Sauer, B. B.; Tse, O. K.; Giannelis, E. P.: Relaxations of Confined Chains in Polymer Nanocomposites: Glass Transition Properties of Poly(ethylene oxide) Intercalated in Montmorillonite, 59P
Valea, A. See Franco, M., 233P

Valéria, I. See Werlang, M. M., 2609P
Valiente, N.
—; Lalot, T.; Brigodiot, M.; Maréchal, E.: Enzyme-Catalyzed Hydrolysis of Unsaturated Polyester Networks. II. Enzyme-Catalyzed Hydrolysis of Polyester Networks Prepared from Poly(1,2-propanediyl fumarate), 35C
—; Lalot, T.; Brigodiot, M.; Maréchal, E.: Enzyme-Catalyzed Hydrolysis of Unsaturated Polyester Networks. I. Study of the Hydrolysis of a Precursor: Poly(1,2-propanediyl fumarate), 27C
Vanclooster, S. See Debier, D., 735P
Van den Berg, J. W. A. See Van de Witte, P., 763P
Van Der Vegt, H. See Flipsen, T. A. C., 41C, 1311P
Van de Witte, P.
—; Dijkstra, P. J.; Van den Berg, J. W. A.; Feijen, J.: Metastable Liquid–Liquid and Solid–Liquid Phase Boundaries in Polymer–Solvent–Nonsolvent Systems, 763P
—; See In't Veld, P. J. A., 219C
Van Hook, W. A. See Imre, A., 1251P; Rebelo, L. P. N., 631P
Van Zee, J.W. See Ho, C., 2907C
Varela, O. See Bueno, M., 3645C
Varley, R. J.
—; Hodgkin, J. H.; Hawthorne, D. G.; Simon, G. P.: Toughening of a Trifunctional Epoxy System. IV. Dynamic Mechanical Relaxational Study of the Thermoplastic-Modified Cure Process, 153P
Varma, A. See Apostolo, M., 1047C
Varma, I. K.
—; Madan, R.; Anand, R. C.: Studies on Metathetical and Thermal Polymerization of 5-Norbornene 2,3-dicarboximide End-Capped Resins Pt-II, 2323C
—; See Madan, R., 2917C
Varughese, K. T. See George, S., 2309P
Vasudevan, V. See Tan, B., 2943C
Veeman, W. S. See Schantz, S., 2681P
Velickovic, A. D. See Tenc-Popovic, M. E., 1363C
Velner, E. M. See In't Veld, P. J. A., 219C
Verma, R. K. See Sauer, B. B., 2121P
Vert, M. See Coudane, J., 1651C; Schwach, G., 3431C
Vibhute, S. S.
—; Joshi, M. D.; Wadgaonkar, P. P.; Patil, A. S.; Maldar, N. N.: Synthesis and Characterization of New Cardo Polyesters, 3227C
Vidaurre Garayo, A. See Meseguer Dueñas, J. M., 2201P
Vigoureux, J.-M. See Belali, R., 1361P
Villeneuve, S. See Désilets, S., 2991C
Viola, G. T.
—; Cavallo, C.: Coupling Reaction of Polyisoprenyllithium with 1,2-Dibromoethane, 17C
Vitagliano, V. M. See Russo, G., 889P
Volpe, M. G. See Gentile, G., 2193P
Vonk, C. See Peeters, M., 2689P
Vu-Khanh, T. See Mamat, A., 2583P

Wachtel, E. See Stern, T., 2429P
Wada, T. See Zhang, Y., 2041C
Wada, Y. See Suwa, K., 1763C, 3377C
Waddon, A. J.
The Effect of Highly Specific Lattice Hydrogen Bonding on Morphologies of Solution-Grown Crystals, 1175P
Wadgaonkar, P. P. See Sagar, A. D., 1077C; Sannigrahi, B., 1999C; Vibhute, S. S., 3227C
Waegell, B. See Camelio, P., 2579C
Wagener, K. B.
—; Brzezinska, K.; Anderson, J. D.; Dilocker, S.: Well Phase Separated Segmented Copolymers via Acyclic Diene Metathesis (ADMET) Polymerization, 3441C
Wakabayashi, Y. See Yokozawa, T., 1563C
Wakamatsu, S. See Kabeta, K., 455C
Walborn, J. L. See Shepard, T. A., 2617P
Walser, A. D. See Luján-Upton, H., 393C
Walt, D. R. See Agi, Y., 2105C
Wan, A. C. A. See Khor, E., 2049C
Wang, C.
—; Chang, C.-I.: Fracture Energies of Styrene-Butadiene-Styrene Block Copolymers (I). Effects of Rate, Temperature, and Casting Solvent, 2003P
—; Chang, C.-I.: Fracture Energies of Styrene-Butadiene-Styrene Block Copolymers (II). Strength at High Temperatures, 2017P
—; Takayama, T.; Nakamura, S.: Blends of Polyester Having Amino Sulfonic Acid Moieties with Poly(Vinyl alcohol) and Their Metal Complex Formation, 3561C
—; See Liu, J., 1105C
Wang, C. S. See Dean, D. R., 3457C
Wang, D.-N. See Luo, N., 865P
Wang, H. C. See Petro, M., 1173C
Wang, J.
—; Nomura, R.; Endo, T.: Samarium Poly(oxamide) Polyanions as Novel Polymeric Initiators. One-Pot Syntheses of Graft Copolymers, 1381C
Wang, L. See Li, F.-M., 1087C
Wang, M. See Chen, H.-Z., 91C, 959C
Wang, P.
—; Guo, J.; Wunder, S. L.: Surface Stress of Polydimethylsiloxane Networks, 2391P
Wang, S.
—; Poehlein, G. W.; Schork, F. J.: Miniemulsion Polymerization of Styrene with Chain Transfer Agent As Cosurfactant, 595C
Wang, W.
—; Schreiber, H. P.; Yu, Y.; Eisenberg, A.: Surface Modification Strategies for Multicomponent Polymer Systems, Part I: Use of Diblock Copolymers as Surface Modifiers of Rutile, 1793P
Wang, X. See Yang, C. Q., 557C

Wang, Y.
—; Chen, T.; Li, Y.; Kitamura, M.; Sakurai, I.; Nakaya, T.: Studies on Syntheses and Properties of Novel Polyamides Containing Phosphatidylcholine Analogous Moieties by Interfacial Polycondensation, 3065C
Wang, Z. Y. See Chen, J. P., 9C
Wanic, A. See Sek, D., 539C
Wan, M.
—; Li, W.: A Composite of Polyaniline with Both Conducting and Ferromagnetic Functions, 2129C
—; See Shen, Y., 3689C
Ward, I. M. See Brooks, N. W., 545P; Carr, P. L., 2465P
Wasylyshyn, D. A.
—; Johari, G. P.: Physical Aspects of Network Polymerization from Calorimetry and Dielectric Spectroscopy of a Triepoxide Reacting with Different Monoamines, 437P
Watanabe, A. See Chen, Y., 1185P
Watanabe, T. See Nagai, K., 119P
Weber, M. See Straub, W., 2083P
Weidner, S.
—; Kuehn, G.; Werthmann, B.; Schroeder, H.; Just, U.; Borowski, R.; Decker, R.; Schwarz, B.; Schmuecking, I.; Seifert, I.: A New Approach of Characterizing the Hydrolytic Degradation of Poly(ethylene terephthalate) by MALDI-MS, 2183C
Weiss, R. A. See De Jesus, M. C., 347P
Wei, X.
—; Yu, X.: Synthesis and Properties of Sulfonated Polyurethane Ionomers with Anions in the Polyether Soft Segments, 225P
Wei, Y. See Huang, Z. H., 2403C
Werlang, M. M.
—; De Araújo, M. A.; Nunes, S. P.; Valéria, I.; Yoshida, P.: Blends of Organosilicon Polymers with Polystyrene and Poly(2,6-dimethyl-1,4-phenylene oxide), 2609P
Werner, A.
—; Fredrickson, G. H.: Architectural Effects on the Stability Limits of *ABC* Block Copolymers, 849P
Werthmann, B. See Weidner, S., 2183C
Wetters, D. G. See McGee, R. L., 2157C
Wheeler, J. W. See Zhang, Y., 493C, 2865C
Whitmore, M. See Pochan, D. J., 2629P
Whitney, R. A. See Forsyth, J. C., 3517C
Wightman, J. P. See Oyama, H. T., 331P
Wilkie, C. A. See Jiang, D. D., 965C; Xue, T. J., 509C, 1275C
Willecke, R.
—; Faupel, F.: Diffusion of Gold and Silver in Bisphenol Trimethylcyclohexanen Polycarbonate, 1043P
Willett, G. D. See Zammit, M. A., 2311C
Winiarska, A. See Szczepaniak, B., 2739C
Winnik, M. A. See Li, L., 979P
Wöhrle, D.
Review of Catalysis by Polymers, 3339C
Wong, T. K. See Li, P., 3585C
Wong, Y. W. See Choy, C. L., 1621P
Woo, E. M.
—; Yau, S. N.: Morphology and Glass Transition Behavior of Polycarbonate-Phenoxy System: Effects of Trans-Reactions in Domain Interface Regions, 97C
Woo, E. M. See Su, C. C., 2141P
Wooley, K. L. See Bolton, D. H., 1133C
Woo, S. I. See Ko, Y. S., 2769C
Wu, C. See Li, M., 1593P; Liu, M., 2421P; Siddiq, M., 85P
Wulff, D. F. See Kricheldorf, H. R., 947C
Wunderlich, B. See Ishikiriyama, K., 1877P
Wunder, S. L. See Wang, P., 2391P
Wu, T. W. See Yang, A. C.-M., 1295P
Wu, Y. See Kim. M. G., 3275C
Wu, Z. See Zhu, P. C., 485C
Wu, Z. W. See Ji, X. L., 431P

Xiao, G. Z.
—; Shanahan, M. E. R.: Water Absorption and Desorption in an Epoxy Resin With Degradation, 2659P
Xie, S.
—; Svec, F.; Fréchet, J. M. J.: Preparation of Porous Hydrophilic Monoliths: Effect of the Polymerization Conditions on the Porous Properties of Poly(acrylamide-co-*N,N'*-methylenebisacrylamide) Monolithic Rods, 1013C
Xie, Y.-N. See Chen, L., 799P
Xing, Y. See Jiang, H.-Y., 1753C
Xiong, C. See Deng, X., 703C; Zhu, Z., 709C
Xue, T. J.
—; Jones, M. S.; Ebdon, J. R.; Wilkie, C. A.: Lithiation–Alkylation of Polystyrene Occurs Only on the Ring, 509C
—; Wilkie, C. A.: Graft Copolymerization of Acrylonitrile onto Polystyrene, 1275C
Xu, G.
Distribution of Chain Lengths and Composition in Terpolymers, 1161P
Xu, G. Z.
—; Dong, J. H.; Qiu, K. Y.: Photopolymerization of *N*-Substituted Phenyl Maleimide Initiated with *N,N*-dimethyl-4-toluidine, 643C
Xu, J.
—; Shi, L.; Ye, M.: Conformation of Amphiphilic Branch Chain in Copolymer Surfactants on Interface, 827P
—; See Huang, W., 143C; Jia, L., 2133P
Xu, J.-P. See Jiang, H.-Y., 1753C
Xu, P. See Andrady, A. L., 517P
Xu, X. See Jia, L., 2133P
Xu, Y. See Kihara, N., 817C
Xu, Z.-K.
—; Böhning, M.; Springer, J.; Glatz, F. P.; Mülhaupt, R.: Gas Transport Properties of Soluble Poly(phenylene Sulfone Imide)s, 1855P

Yamada, H. See Habaue, S., 721C
Yamada, K.
—; Minoda, M.; Miyamoto, T.: Controlled Synthesis of Glycopolymers with Pendant

D-Glucosamine Residues by Living Cationic Polymerization, 751C
—; Yamaoka, K.; Minoda, M.; Miyamoto, T.: Controlled Synthesis of Amphiphilic Block Copolymers with Pendant Glucose Residues by Living Cationic Polymerization, 255C
Yamada, Y. See Fujinami, T., 2057P; Furukawa, N., 2239C; Nishikubo, T., 2711C
Yamaguchi, I.
—; Kimishima, T.; Osakada, K.; Yamamoto, T.: Ru and Sm Catalyzed Polyaddition of Dialdehydes to Give Polyesters. Application of Tishchenko Type Reactions to Polymer Synthesis, 1265C
—; Kimishima, T.; Osakada, K.; Yamamoto, T.: Synthesis of End-capped Polyester from SmI_2-Catalyzed Tishchenko-Type Polyaddition of Dialdehydes, 2821C
Yamaguchi, M.
—; Miyata, H.; Nitta, K.-H.: Structure and Properties for Binary Blends of Isotactic-Polypropylene with Ethylene-α-olefin Copolymer. 1. Crystallization and Morphology, 953P
—; See Yasuniwa, M., 535P
Yamaguchi, T.
—; Nakao, S.-I.; Kimura, S.: Swelling Behavior of the Filling-Type Membrane, 469P
—; See Matsuzaki, K., 2479C
Yamamoto, T.
—; Hayashi, H.: π-Conjugated Soluble and Fluorescent Poly(thiophene-2,5-diyl)s with Phenolic, Hindered Phenolic and p-$C_6H_4OCH_3$ Substituents. Preparation, Optical Properties, and Redox Reaction, 463C
—; See Kawatsuki, N., 1849C; Yamaguchi, I., 1265C, 2821C
Yamaoka, H. See Matsumoto, K., 3207C
Yamaoka, K. See Yamada, K., 255C
Yamashita, S. See Saito, N., 747C
Yamazaki, T.
—; Seguchi, T.: ESR Study on Chemical Crosslinking Reaction Mechanisms of Polyethylene Using a Chemical Agent, 279C
—; Seguchi, T.: ESR Study on Chemical Crosslinking Reaction Mechanisms of Polyethylene Using a Chemical Agent—II. The Effect of Phenolic Antioxidants, 2431C
Yang, A. C.-M.
—; Wu, T. W.: Wear and Friction in Glassy Polymers: Microscratch on Blends of Polystyrene and Poly(2,6-dimethyl-1,4-phenylene oxide), 1295P
Yang, C.-C. See Yang, C.-P., 2147C
Yang, C.-P.
—; Hsiao, S.-H.; Yang, C.-C.: Synthesis and Properties of Aromatic Polyamides Derived from 2,6-Bis(4-aminophenoxy)naphthalene and Various Aromatic Dicarboxylic Acids, 2147C
—; See Hsiao, S.-H., 1469C; 1487C
Yang, C. Q.
—; Wang, X.: Infrared Spectroscopy Studies of the Cyclic Anhydride as the Intermediate for the Ester Crosslinking of Cotton Cellulose by Polycarboxylic Acids. III. Molecular Weight of a Crosslinking Agent, 557C
Yang, C.-Y. See Hsiao, S.-H., 1479C, 1487C, 2801C
Yang, C.-Z. See Chen, L., 799P
Yang, D. See Yan, S., 1415P
Yang, G. See Zhang, L., 2495P
Yang, G. W. See Choy, C. L., 1621P
Yang, I.-K.
—; Huang, I.-T.: The Electrorheology of Rigid Rod Poly(n-hexyl Isocyanate) Solutions, 1217P
Yang, J.-S.
—; Hsiue, G.-H.: Kinetics of Ag^+ Contained Polymeric Complex Membranes for Facilitated Olefin Transport, 909P
Yang, S.-L. See Chen, H.-Z., 91C, 959C
Yang, Z. See John, J., 1139C
Yano, K.
—; Usuki, A.; Okada, A.: Synthesis and Properties of Polyimide-Clay Hybrid Films, 2289C
Yan, S.
—; Petermann, J.; Yang, D.: Epitaxial Recrystallization of HDPE-Quenched Ultrathin Films on Oriented iPP Substrates, 1415P
—; See Zhang, L., 2495P
Yasuda, J. See Hashimoto, K., 1831C
Yasuniwa, M.
—; Tsubakihara, S.; Yamaguchi, M.: Lamellar Thickening of Polyethylene under High Pressure, 535P
Yau, S. N. See Woo, E. M., 97C
Ye, M. See Xu, J., 827P
Ye, P. See Gent, A. N., 615P
Yee, A. F. See Lin, Q., 2363P
Yeoh, O. H.
—; Fleming, P. D.: A New Attempt to Reconcile the Statistical and Phenomenological Theories of Rubber Elasticity, 1919P
Yildiz, E. See Özarslan, Ö., 1149C; Yilmaz, T., 2981C
Yilmaz, T.
—; Güçlü, H.; Özarslan, Ö.; Yildiz, E.; Kuyulu, A.; Ekinci, E.; Güngör, A.: Kinetic Investigations of Formation of Polyimides Containing Arylene Sulfone Ether Linkages by Potentiometric Titration and Their Characterization, 2981C
—; See Özarslan, Ö., 1149C; Selampinar, F., 3009C
Ying, S.-K. See Luo, N., 865P
Yin, J. See Davidson, K., 963P
Yiu, H. P. See Li, P., 1863C, 3585C
Yokota, K. See Haba, O., 353
Yokozawa, T.
—; Wakabayashi, Y.; Kimura, T.: Ring-Opening Polymerization of Cyclobutane Adduct of Dimethyl 1,1-Dicyanoethylene-2,2-Dicarboxylate and Ethyl Vinyl Ether, 1563C
Yonetake, K. See Konno, K., 605C
Yoon, C.-B.
—; Kang, I.-N.; Shim, H.-K.: Novel Green Light-Emitting Diode with High Efficiency; Synthesis and Electroluminescent Property of

Poly (2-(2′-ethylhexylthio)-5-methoxy-1,4-phenylenevinylene) (PMEHTPV), 2253C
Yoon, K. See Noh, S. K., 3717C
Yoon, T. H. See Kiefer, L. A., 3506C
Yoshida, E.
—; Fujii, T.: Synthesis of Well-Defined Polychlorostyrenes by Living Radical Polymerization with 4-Methoxy-2,2,6,6-Tetramethylpiperidine-1-Oxyl, 2371C
Yoshida, H. See Kani, R., 2355C
Yoshida, M. See Nagaoka, N., 3075C
Yoshida, P. See Werlang, M. M., 2609P
Yoshikawa, S. See Oyanagi, K., 581C
Yoshizako, K.
—; Hosoya, K.; Kimata, K.; Araki, T.; Tanaka, N.: A Polymeric Chiral Surface Functionality Immobilized on Uniformly Sized Macroporous Polymer Beads, 2747C
Younger, L. See Yu, K. H., 2787P
Youngman, P. See Konno, K., 2267C
Yuan, G. See Zhao, Y., 1491P
Yuasa, M. See Furukawa, N., 2239C
Yu, B. See He, M., 1925C
Yu, B.-C. See Chen, Y., 1185P
Yu, J. M.
—; Dubois, P.; Jerome, R.: Poly[glycidyl methacrylate (GMA)/methylmethacrylate (MMA)-*b*-Butadiene (B)-*b*-GMA/MMA] Reactive Thermoplastic Elastomers: Synthesis and Characterization, 3507C
Yu, J.-W. See Peng, S.-C., 1373P
Yu, K. H.
—; Russo, P. S.; Younger, L.; Henk, W. G.; Hua, D.; Newkome, G. R.; Baker, G.: Observations on the Thermoreversible Gelation of Two-Directional Arborols in Water-Methanol Mixtures, 2787P
Yuk, S. H. See Cho, S. H., 595P
Yun, Y.-K.
—; Jin, J.-I.; Lee, M.: Wholly Aromatic Thermotropic Liquid Crystalline Polyesters of 2-(α-Phenylisopropyl)hydroquinone; Copolymers with 1,1′-Biphenyl-4,4′-diol and 2,6-Dihydroxynaphthalene, 2777C
Yun, Y.-M.
—; Lee, S.-J.; Lee, K.-J.; Lee, Y.-K.; Nam, J.-D.: Composite Cure Kinetic Analysis of Unsaturated Polyester Free Radical Polymerization, 2447P
Yu, T. See Chen, X., 2293P
Yu, T. See Sun, Y., 1405P
Yu, T. L. See Jong, S. R., 69P
Yu, X. See Du, X., 3249C
Yu, X. See Wei, X., 225P
Yu, X.-H. See Chen, L., 799P
Yu, Y. See Wang, W., 1793P

Zambelli, A. See Longo, P., 2697C
Zammit, M. A.
—; Davis, T. P.; Willett, G. D.; O'Driscoll, K. F.: The Effect of Solvent on the Homo-Propagation Rate Coefficients of Styrene and Methyl Methacrylate, 2311C
Zamora, F. See Bueno, M., 3645C
Zanzotto, L.
—; Stastna, J.: Dynamic Master Curves from the Stretched Exponential Relaxation Modulus, 1225P
Zeng, X.
—; Zhang, Y.; Shen, Z.: Ring Opening Polymerization of Propylene Oxide by Chitosan-Supported Rare Earth Catalytic System and its Kinetics, 2177C
Zeng, X.-R.
—; Ko, T.-M.: Structure–Conductivity Relationships of Iodine-Doped Polyaniline, 1993P
Zhang, H.
—; Ruckenstein, E.: Preparation of Functional Polymers by Living Anionic Polymerization: Polymerization of Allyl Methacrylate, 2901C
—; See Jia, L., 2133P
Zhang, J. See Chen, Y., 1185P
Zhang, J.-X. See Li, F.-M., 1087C
Zhang, L.
—; Liu, H.; Yan, S.; Yang, G.; Feng, H.: Interfacial Structure and Properties of Polyurethane/Poly(methylacrylate-*co*-styrene) Coating to Regenerated Cellulose Film, 2495P
—; See Deng, X., 703C; Zhu, Z., 709C
Zhang, Q.
Fluorimetry and Differential Scanning Calorimetry Analysis of Ionomers with Low Eu^{3+} Contents, 101P
Zhang, S. See Joseph, R., 695C
Zhang, W. J. See Ji, X. L., 431P
Zhang, X.
—; Solomon, D. H.: The Reaction of Furfuryl Alcohol Resins with Hexamethylenetetramine: A ^{13}C and ^{15}N High-Resolution Solid-State NMR Study, 2233P
—; See Dargaville, T. R., 1389C, 1399C; Mi, Q., 3287C
Zhang, Y.
—; Tebby, J. C.; Wheeler, J. W.: Polyamides Incorporating Phosphine Oxide Groups. II. Aromatic Polymers Containing Sulfone Functionality, 493C
—; Tebby, J. C.; Wheeler, J. W.: Polyamides Incorporating Phosphine Oxide Groups. III. Polymerisation of Bis[4-(2-aminoethyl)aminophenyl]-phenylphosphine Oxide with Dicarboxylic Acids, 2865C
—; Wada, T.; Sasabe, H.: Synthesis and Characterization of a Novel Carbazole Cyclic Oligomer and Main-Chain Polymer, 2041C
—; See Shen, Y., 1339C; Zeng, X., 2177C
Zhao, L. See Chen, Y., 1185P
Zhao, Y.
—; Yuan, G.: Mesophase Transition-Induced Reorientation in a Stretched Side-Chain Liquid Crystalline Polymer, 1491P
Zheng, H.
—; Zheng, S.; Guo, Q.: Thermosetting Polymer Blends of Unsaturated Polyester Resin and Poly(ethylene oxide). II. Hydrogen-Bonding Interaction, Crysallization Kinetics, and Morphology, 3169C
—; Zheng, S.; Guo, Q.: Thermosetting Polymer Blends

of Unsaturated Polyester Resin and Poly(ethylene oxide). I. Miscibility and Thermal Properties, 3161C

Zheng, S.

—; Huang, J.; Li, Y.; Guo, Q.: A DSC Study of Miscibility and Phase Separation in Crystalline Polymer Blends of Phenolphthalein Poly(ether ether sulfone) and Poly(ethylene oxide), 1383P

—; See Guo, Q., 211C; Zheng, H., 3161C, 3169C

Zhong, C.-F. See Chen, Y., 1185P

Zhou, J. See Pochan, D. J., 2629P

Zhu, L. See Chen, Y., 1185P

Zhu, P. C.

—; Liu, Y.; Lin, J.; Pittman, C. U., Jr.: Erratum: Cationic Copolymerization of 2-Methylene-5,5-dimethyl-1,3-dioxane with 2-Methylene-1,3-dioxolane and 2-Methylene-1,3-dioxane, 593C

—; Wu, Z.; Pittman, C. U., Jr.: Ring Opening during the Cationic Polymerization of 2-Methylene-1,3-dioxepane: Cyclic Ketene Acetal Initiation with Sulfuric Acid Supported on Carbon, 485C

Zhu, W.

—; Ediger, M. D.: Polystyrene Local Dynamics in Dilute Solution: Temperature and Solvent Dependence of C-D Vector Correlation Function Shape, 1241P

Zhu, Y. See Feng, Y., 1283C

Zhu, Z.

—; Xiong, C.; Zhang, L.; Deng, X.: Synthesis and Characterization of Poly(ε-caprolactone)–Poly(ethylene glycol) Block Copolymer, 709C

—; See Deng, X., 703C

Ziaee, S.

—; Paul, D. R.: Polymer–Polymer Interactions Via Analog Calorimetry. 2. Blends of Polystyrene with Bisphenol-A Polycarbonate and Tetramethyl Bisphenol-A Polycarbonate, 489P

—; Paul, D. R.: Polymer–Polymer Interactions via Analog Calorimetry. 3. Interaction between Styrene and Acrylonitrile Repeat Units, 831P

Zioga, A.

—; Ekizoglou, N.; Siakali-Kioulafa, E.; Hadjichristidis, N.: Characteristic Ratio of Poly(tetrahydrofurfuryl acrylate) and Poly(2-ethylbutyl acrylate), 1589P

Zugenmaier, P. See Amash, A., 1439P

Zuo, M.

—; Takeichi, T.: Novel Method for the Preparation of Poly(urethane-imide)s and Their Properties, 3745C

—; See Takeichi, T., 2395C

JOURNAL OF
Polymer Science

Combined Subject Index to Volume 35

This index covers the Polymer Chemistry and Polymer Physics Editions of the *Journal of Polymer Science*, Vol. 35, 1997. The Edition in which an item appears is indicated by a C or P, respectively, following the page number.

$A(AB)_2$, $A(AB)_3$, and $(AB)_3A(BA)_3$, 813C
Ab initio calculations, 2889C
AB polymerization, 1133C
ABA-type block copolymers, 3595C
ABC block copolymers, 849P
ABC triblock copolymers, 1181C
ABS, 553P, 2583P
Absorbance due to glycogen–iodine complex, 927C
Absorption, 2659P
Acetal copolymer, 2479C
Acetal functionality, 1605C
Acetalization, 1719C
Acid catalyzed degradation, 77C
Acid-catalyzed polycondensation, 285
Acrylamide, 2619C, 2689C, 3467C
Acrylamide copolymers, 243C, 1013C
Acrylamides, 3603C
Acrylamido, 231C
Acrylate, 2579C
Acrylate urethane, 2543P
Acrylic, 1125C, 2093P
Acrylic acid, 231C, 631C, 3467C, 3603C
Acrylonitrile, 1275C
Acryloyl chloride, 3125C
8-Acryloyloxyquinoline, 1087C
Activated aromatic dihalides, 2055C
Activated by ordinary trialkylaluminums, 823C
Activated carbon black, 485C
Activated esters, 673C
Activation by ordinary alkylaluminums, 291C
Activation energies, 1855P
Activation energy, 2715P
Activation energy of degradation, 77C
Activation volume, 2715P
Activation/condensation sequence, 1781C
Acyclic diene polycondensation (ADP), 3299C
Acylation, 1673C
Adamantane, 1743C
Addition to vinylsiloxanes, 879C
Adhesion, 615P, 1449P, 1463P
Adhesion theory, 1295P
Adhesive strength, 1463P
Adipic anhydride, 183C
ADMET, 3441C
ADMVN, 55C
Adsorption, 3359C, 1333P
Adsorption on GPC gel, 1219C
Agglomeration, 553P
Aggregation, 1701P
Aggregation and coalescence, 1185P
Aging, 119P
AIBN, 55C, 965C, 3125C
Alcohol, 2907C
Aldehyde separation, 2857C
Aliphatic diol, 2729C
Aliphatic linear polycarbonate, 1133C
Aliphatic polyketone, 415P
Aliphatic-aromatic, 3305C
Alkali ion binding, 1819C
Alkali picrates, 1819C
Alkanes, 1549C
Alkoxyallenes, 431C
Alkoxydisilane, 455C
β-Alkoxyenoate moieties, 787C
Alkyl methacrylates, 3637C
Alkyl sodium sulfopropyl maleate, 2561C
Alkyl spacer, 2871C
Alkylation, 1673C
Alkylphenol, 1453C
Allene derivatives, 2097C
Allyl crosslinkers, 799C
Allyl ethers, 1579C, 1593C, 1985C, 2521C
Allyl methacrylate, 2901C
Allylamine, 2469C
Allylnickel catalyst, 431C
π-Allylpalladium complex, 1211C
Allylthio group, 817C
Alpha processes, 1887P
Alpha-methylstyrene, 2409P
Alternating copolymer, 1563C
Alternating copolymerization, 1283C, 1515C, 3537C
Aluminum borate whiskers, 2457P
Amic acid, 3125C
Amines, 631C
Amine–anhydride reaction, 901C
Aminimide, 689C, 1333C
Amino acid, 2619C
Amino acids, 499C
Amino sulfonic acid moiety, 3561C
Aminoaldonic acids, 3645C
Amino-containing polymers, 1933C
6-Aminocaproic acid, 285
Aminodiacrylates, 2111C
Aminolysis, 787C, 1831C
Aminophenols, 3125C
Amorphous, 2551P, 2715P
Amorphous or semicrystalline morphology, 2943C
Amphiphilic block copolymer, 255C
Amphiphilic branch chain, 827P
Amphiphilic copolymers, 673C
Amphiphilic oligomers, 163C
Anaerobic adhesives, 3327C
Analog calorimetry, 489P, 831P
Anchored coils, 2961P
Anhydride-functional polymer, 1139C
Anilinonaphthalenesulfonic acid, 1535C
Anionic, 2703C
Anionic polymerization, 361, 689C, 721C, 813C, 1973C, 2901C, 3507C, 3613C, 3637C
Anionic ring-opening polymerization, 703C, 709C, 1375C
Anisotropic, 2925P
Anisotropic coefficient of thermal expansion (CTE), 777P

Anisotropic compliances, 777P
Anisotropic dielectric constants, 777P
Anisotropic mechanical moduli, 777P
Anisotropic modulus, 2811P
Anisotropy, 397P
Annealing and thermal behavior, 623P
Anti head-to-head 7-hydroxycoumarin dimer, 613C
Anti head-to-tail 7-hydroxy-4-methylcoumarin dimer, 613C
Antioxidant, 2431C
Apparent exponents, 1989P
Aqueous GPC, 1181C
Aqueous solution, 2711C
Arborol, 2787P
Arm molecular weight, 3767C
Aromatic polyamides, 2273C, 919P
Aromatic polyesters, 1061C
Aromatic polyethers, 2055C
Aromatic poly(ether-sufone-amide)s, 2421C
Aromatic thermotropic liquid crystalline polyesters, 2777C
Aromatic–aliphatic polyamides, 2865C
Aromatization, 741C
Aryl dihalides, 1211C
Aryl ether, 447C
Aryl ether sulfone, 2015C
Aryl phosphorodichloridates, 2365C
Asphalt, 2857P
Asymmetric induction, 353
Asymmetric star polystyrenes, 141P
Asymmetric synthesis, 1809C
Atomic force microscopy, 1145P
Attenuated total reflection (ATR), 1361P
Average radical number, 2347C
Avrami master curves, 2559P
Azobenzene mesogenic group, 2871C
2,2′-Azobis-2-cyanopropanol, 69C
2,2′-Azobis-2-methyl-*N*-2-hydroxyethylpropionamide, 69C
4,4′-Azobis-4-cyanopentanoyl chloride, 69C

BA/MMA/benzene copolymerization, 1961C
Base-developable resist, 2355C
BDS, 2469C
Benzene/cyclohexane mixtures, 699P
1,4-Benzenedithiol, 1621C
Benzhydrol anion, 1499C
Benzocyclobutene, 2157C
Benzophenone, 1499C, 3467C
Benzoxazines, 1389C
Benzoxazole, 1743C
Benzoyl peroxide, 2955C
Benzoyloxy radical, 2955C
Benzyl alcohol, 2311C
Benzyl ether polymers, 1743C
Benzyl α-(alkoxymethyl)acrylate, 721C
Benzylamines, 1389C
1,1′-Bi-2-naphthol, 3287C
Bicyclic ether, 1733C
Bifunctional vinylcyclopropane, 2487C
Binding constant, 631C
Biodegradability, 377, 2729C
Biodegradable polymers, 1901C
Biodegradation, 2221C, 3553C
Bioglass, 2295C
Biomaterial, 3779C
Biopolymer, 517P
Biphase, 769C
Biphasic films, 2093P
Biphile, 1167C
Birefringence, 689P, 2593P
Birefringence, melt and dry spinning, 1821P
Bisallene, 1211C
1,4-Bis(4-aminophenoxy)2,5-di-*tert*-butylbenzene, 1527C
1,4-Bis(*p*-carboxyphenoxy)naphthyl, 2273C
Bis(chloroacetoxy)ester, 3791C
Bis(epoxide), 3791C
Bismaleimide, 2469C, 1747P
Bisnadimide, 123C, 2323C
Bisphenol silylether, 759C
Bisphenols, 2055C
Bisphenol-S diglycidyl ether, 2365C
Bis(2-oxazoline)s polymerization, 3241C
Bis(4-mercaptophenyl) sulfide, 2711C
Bis(ε-caprolactone), 1635C
2,7-Bis(3,4-dicarboxyphenoxy)naphthalene dianhydride, 2281C
1,4-Bis(trichloromethyl)benzene, 2143C
2,6-Bis(4-aminophenoxy)naphthalene, 2147C
Blend, 901C, 2169P, 2183P
Blending, 2293P
Blends, 1313C, 1135P, 1269P, 2271P, 2583P, 2609P, 2681P, 2889P
Block copolymer, 703C, 709C, 2969C, 3207C, 3393C, 1067P, 1643P, 2857P
Block copolymerization, 69C, 431C, 1007C, 1543C
Block copolymers, 183C, 219C, 1939C, 2035C, 3507C, 945P, 2653P, 2775P
Block polymers, 3441C
Block sequence, 1181C
Bond fluctuation model, 1P
Boron, 2387C
Boron halide promoter, 3027C
BPO, 965C, 2371C
Brabender torque, 917C, 1313C
Branched, 563P,
Branched chains, 827C
Branched polymers, 1515P
Branched prepolymers, 1311P
Branching, 1943P
Breaking thread, 2271P
Bridged polymeric phthalocyanine, 91C, 959C
Brill transition temperatures, 675P
Brillouin spectroscopy, 1661P
Brominated epoxy resin, 2063P
Bromination, 1173C
5-(Bromoacetyl)salicylic acid, 1197C, 2935C
Bromoethane, 17C
Bulk copolyesterification, 3409C
Bulk crystallization kinetics, 359P
Bulk polymerization, 3241C
Butadiene, 3393C
1,3-Butanediol, 1719C
Butyl acrylate, 1659C
1,4-Butylenebis(2-oxazoline), 2711C

C_{60}, 3323C
^{13}C (liquid and solid), 3101C
^{13}C NMR relaxation, 317P
^{13}C-NMR, 1245C, 3483C
^{13}C-NMR spectroscopy, 3409C
Calibration between D and M, 85P
Calorimetry, 437P, 2073P
Camphorsulfonic acid, 353
Capillary rheometer, 523P
ε-Caprolactone, 1901C
ε-Caprolactone and trimethylene carbonate, 1339C
ϵ-Caprolactone, 219C
Captodative olefin, 3537C
Carbamate, 2169P
Carbamoylphosphonate monomers, 889C
Carbamoylphosphonate polymers, 889C
Carbazole, 963P
Carbazole cyclic tetramer, 2041C
Carbazole main-chain polymer, 2041C
Carbocationic polymerization, 329C
Carbon dioxide, 523P
Carbon monoxide, 1157C, 2759C

Carboxy betaine, 243C
Carboxylmethyl-gel, 2049C
Carboxyl-terminated polyamide 12, 3697C
2-Carboxypyrazineyl, 533C
Cardanol, 3117C
Cardo polyesters, 3227C
Cascade molecule, 137C
Cascade polymers, 1781C
Case I^T kinetics, 2593P
Catalyst, 485C, 1329C
Catalyst decay, 2645C
Catalyst for hydrolysis, 1443C
Catalyst isospecificity, 823C
Catalysts, 3027C
Catalytic activities, 1207P
Catalytic chain transfer, 859C
Catalytic oxidation, 1863C, 3585C
Catalyzed reactivity, 3305C
Cation-exchange resin, 581C
Cationic copolymerization, 1007C
Cationic equilibrium polymerization, 3235C
Cationic isomerization, 3853C
Cationic polyelectrolyte, 3527C
Cationic polyelectrolytes, 2571P
Cationic polymerization, 407C, 485C, 651C, 665C, 751C, 1423C, 1579C, 1593C, 1985C, 2521C, 3655C, 3673C, 3707C
Cationic ring-opening isomerization polymerization, 993C
Ceiling temperature, 1047C, 3655C
Cell cultivation, 3779C
Cellular polymers, 407P
Cellulose, 557C, 717P
Cellulose acetate, 2593P
Ceramer, 2295C
Chain composition, 1161P
Chain conformation, 689P
Chain ends, 1955P
Chain folding, 1175P
Chain local dynamics, 317P
Chain modulus, 47P
Chain orientation, 1621P
Chain polymerization, 1711P
Chain scission, 2659P
Chain transfer, 817C
Chain transfer to polymer, 1515P
Char yield, 565C, 2323C
Characteristic ratio, 1589P
Characterization, 123C, 407C, 769C, 799P, 937P
Charge density, 2951P
Charge scavenging, 299C
Charge transfer complex, 3735C
Charged polymers, 2105C
Chelate, 3561C
Chemical amplification, 77C
Chemical composition distribution, 1173C
Chemical grafting, 1139C
Chiral monomers, 2843C
Chiral polymer, 1809C
Chiral separation, 2631C
Chiral terephthalic acids, 947C
Chirality, 2523P
Chitin, 2049C
Chitosan, 3181C, 3755C, 517P, 2293P
Chitosan-supported rare earth complex, 2177C
Chlorination, 2969C
Chlorine, 3263C
Chlorobutyl rubber, 1651P
Chloroform, 133P
α-Chloromethyl-acrylates, 2111C
Chlorosilanes, 813C, 587P
Chlorostyrene, 2371C
Cholesteric phase, 1611C
Cholesteric phases, 947C
Chromatographics, 1245C
Chromism, 1025P
Cinnamoylated polymers, 2513C
Clarifying agent, 2617P
Clathration, 133P
Clay, 2289C
Cloud point, 1181C
Cluster, 3847C
Clusters, 1013P
Coagulation, 173P
Coalescence, 2271P, 2835P
Cobaloxime boron fluoride (COBF), 859C
Cobalt, 3729C
Co-continuity, 293P
Coefficient of thermal expansion, 2157C
Coefficient of thermal expansion (CTE), 2493C
Cohesive energy density, 639P
Cohesive strength, 1463P
Co-hydrolysis/condensation, 41C
Coil-globule transition, 33P
Colloids, 3151C
Combination of Ziegler-Natta and metallocene catalysts, 291C
Comblike polymer conductor, 2719C
Comb-shaped polymer, 1025P
Common ion effect, 3341C
Comonommer distribution, 307C
Compartmentalization, 827C
Compatibility, 2161P
Compatibilization, 901C, 917C, 735P, 749P, 2309P
Compatibilizer, 2835P
Compatibilizers, 979P
Complex membrane, 909P
Complex phases, 945P
Complexes, 2787C
Complications, 2219P
Composite, 2129C, 3009C, 347P, 1349P
Composites, 2943C, 2457P
Composition, 2049P
Composition profiles, 2435P
Compressive strength, 3457C
Computer simulation, 2195P
Concentrated solutions, 1013P
Concerted insertion, 1167C
Conductance, 1373P
Conducting blends, 2765P
Conducting polymer, 3009C, 1993P
Conducting polymers, 1909C, 3627C, 2925P
Conducting property, 2129C
Conductivity, 1673C, 2571P
Configuration, 1651C
Configurational entropy, 2201P
Confined chains, 59P
Confined thin film melt polymerization, 1575P, 1807P
Confocal fluorescence microscopy, 979P
Conformation, 507P, 827P, 2281P
Conformation transition, 2293P
Conformational asymmetry, 945P, 2629P
Conformational energy, 1107P
Conformers, 507P
π-Conjugated polymer, 463C
Consolute temperatures, 1251P
Constant pattern, 1047C
Constants, 2533C
Constructive degradation, 3255C
Contact angle, 2453C
Contact charging, 2901P
Contact lenses, 3603C
Contrast, 371
Controlled synthesis, 255C, 751C
Controlled/"living" polymerization, 1857C
Controlled/"living" radial polymer, 3595C
Controlled-rheology, 3083C
Conversion, 55C
Cooperative binding, 3755C
Coordination, 1023C
Coordination polymer, 1825C
Copolyamide, 2379C
Copolyester, 2161P
Copolymer, 197C, 1255C, 3079C, 735P, 749P, 1911P, 2409P, 2671P
Copolymer and blend, 119P
Copolymer blends, 2083P, 2653P
Copolymer surfactant, 827P
Copolymerization, 1C, 193C, 263C, 1039C, 1157C, 1733C, 2207C, 2703C, 2759C, 2769C, 2787C, 2961C, 3571C, 1433P
Copolymerization kinetics, 1961C
Copolymerization of styrene and methyl methacrylate, 2591C
Copolymerization parameters, 735C, 2411C
Copolymers, 1149C, 2111C, 3483C, 1191P

Copper, 3729C
Copper(II) ions, 3327C
Core/shell, 2193C, 1501P
Core-shell particles, 1605C
Correlation function shape, 1241P
Correlation functions, 1887P
Cosurfactant, 595C
Cotton, 557C
Coumarin, 2999C
7,7′-Coumarinyl polymethylene dicarboxylate, 2999C
Counterion association, 33P
Counterion binding, 2571P
Counterion condensation, 2951P
Coupled linear chains, 47P
Coupling reaction, 17C
Δc_p at T_g, 2073P
CP/MAS ^{13}C nuclear magnetic resonance relaxation, 709P
Crazing, 1295P
Creep, 929P
Creep compliance, 1167P
Creep recovery, 2543P
Crosslink, 2715P
Crosslink density, 2017P
Crosslinkage, 1197C, 2935C
Crosslinked films, 3755C
Crosslinked polymer, 2385P
Crosslinked polymer supports, 1413C
Crosslinked polymers, 2297P
Crosslinked polystyrene-bead, 581C
Crosslinked rubber, 817P
Crosslinker, 1039C
Crosslinking, 279, 385C, 557C, 1095C, 1303C, 1353C, 1549C, 1635C, 1873C, 2395C, 2431C, 3049C, 3075C, 3553C, 1201P, 2029P, 2259P, 2535P
Crosslinking agent, 2221C
Crosslinking efficiency, 2333C
Crosslinking reactions, 2233P
Crossover, 1989P
Crown ether complex, 3791C
Crystal nucleation, 1333P
Crystal structure, 1621C, 623P, 1533P, 1575P, 1807P, 2511P
Crystalline, 2551P
Crystallinity, 3065C, 3181C, 265P, 2219P, 2457P
Crystallite, 213P, 1423P
Crystallization, 615P, 953P, 1175P, 1757P, 1843P, 1877P, 2523P, 2757P
Crystallization from solution, 1775P
Crystallization kinetics, 3169C, 199P, 875P, 1077P, 1533P
Crystallization process, 2741P
Crystallization rate inversion, 1775P
CsF-mediated polycondensation, 2055C
Cure kinetics, 2141P
Cure reaction, 331P
Cure schedule, 233P
Curie transition, 2671P
Curing, 271C, 1105C, 2739C, 2363P
Curing kinetics, 371P, 2063P, 2447P
Curving, 1389C
Cutting test, 2003P, 2017P
Cyanate, 1245C
Cyanate ester, 977C
Cyano-substituted polymers, 1303C
Cyclic acetal, 1733C
Cyclic (arylene disulfide), 2961C
Cyclic chains, 1191P
Cyclic ketene acetal, 485C, 3655C, 3707C
Cyclic oligomer, 759C, 1375C
Cyclic pseudoureas, 993C
Cyclic voltammetry, 3327C
Cycloaddition, 3049C
Cycloaliphatic polyesters, 3506C
Cyclobutane, 1563C
Cyclodextrin gel, 1535C
Cyclohexanediol, 1133C
Cyclopentamethylene side chain, 3079C
Cyclophane polymer, 3365C
Cyclopolymerization, 353, 3365C
Cyclosiloxanes, 879C
Cyclotriphosphazene, 1839C

Damping, 1501P
DC conductivity, 2925P
DCPA/EA, 2333C
Decanoic acid, 3697C
Deconvolution method, 2749P
Defects, 2523P
Deformation, 545P
Degradation, 2183C, 3075C, 1201P, 2659P
Degradation mechanism, 77C
Degree of crystallinity, 1055P
Degree of substitution, 639P
Degrees of crystallinity, 2757P
Delamination resistance, 2157C
Delrin®, 2121P
Demixing, 1251P
Dendrimer, 2787P, 2913P
Densely crosslinked polymers, 41C, 1311P
Density of states, 2281P
Deoxygenation, 1167C
Depletion measurement, 2925P
Depolarized scattering, 1643P
Depolymerization, 3235C
Desoprtion, 2659P
Desulfoxylation, 3673C
Diacetylene, 2387C
Diacetylenes, 789P
Diacrylates, 2111C
Dialdehydes, 1265C, 2821C
Diallyldimethylsilane, 3299C
Diallyldiphenylsilane, 3299C
Dianhydride, 3287C
Dianhydrohexitol, 2729C
Diarylsulfone, 493C
Dibenzylidene sorbitol, 2617P
Diblock copolymer, 1793P, 2811P
Dibromoethane, 17C
Dichroism, 1361P
Dicobalt octacarbonyl, 1579C, 1593C, 1985C
Dicumyl-peroxide, 279, 2431C
Dicyandiamide, 2063P
2,3-Dicyanopyrazine, 1303C
Dicyclohexylcarbodiimide, 3125C
Didecylfluorene, 3627C
Dielectric, 2121P
Dielectric absorption, 2749P
Dielectric constant, 1373P
Dielectric loss, 1373P, 2483P
Dielectric loss modulus, 2749P
Dielectric properties, 479P
Dielectric relaxation, 203P, 457P, 919P, 1349P, 1545P, 1887P, 2879P
Dielectric relaxations, 1473P
Dielectrics, 437P
Diels–Alder synthesis, 3049C
Diether anhydride, 2801C
Dietheramine, 1487C
1,4-Diethynylbenzene, 1621C
Difference synthesis, 193P
Differential scanning calorimetry, 101P, 1775P, 2201P, 2457P
Differential scanning calorimetry (DSC), 2161P
Diffraction, 675P
Diffusion, 569P, 725P, 1043P, 1261P, 1737P, 2083P, 2397P, 2435P, 2503P
Diffusion coefficient, 1279P
Diffusion coefficients, 1233P
Diffusion control, 2141P
Diffusion limitation, 2075C
Diffusion processes, 1339P
Diffusivity, 2245P
2,5-Difluoro-4-benzoyl-benzophenone, 605C
4,4′-Dihydroxychalcone, 1611C
2,6-Dihydroxynaphthalene, 2777C
Dilatometric technique, 1125C
Dilute solution, 1241P
Dimerization, 2999C
Dimethyl 1,1-dicyanoethylene-2,2-dicarboxylate, 1563C
Dimethyl terephtalate process, 889P
Dimethylsiloxane copolymers, 879C
Dinaphthalene dianhydride, 539C
Dinuclear metallocene, 3717C
Diol, 2925C
Dioxazoline, 3697C
Diphenyl carbonate, 2453C

Diphenyl ketyl radical anion, 1499C, 3467C
Diphenylmethane-4,4′-di(methylthiopropionic acid), 547C
Dipolar disorder, 2803P
Dipole–dipole attraction, 1433P
Dipropargylfluorene, 587C
Direct method, 1677P
Direct polycondensation, 2421C
1,3-Disilacyclobutane, 3193C
Dispersion polymerization, 681C, 2539C, 2907C
Displacement of the main chain, 787C
Disproportionation, 455C
Dissolution, 1775P
Dithiol, 2487C
Dithizone, 3729C
Divergent approach, 1781C, 2015C
Divinyl ether monomer, 3217C
α,ω-Divinylether, 353
DL-lactide, 1651C
DMTA, 1439P
DNA, 1843P
Dodecyl mercaptan, 595C
Dodecyl sulfate, 3755C
Dodecylamine, 2137C
Domain, 553P
Domain size, 865P
Donor–acceptor interaction, 1515C
Dopant anion, 165P
Doped polymers, 299C
Double isomerization polymerization, 993C
Double ring opening, 2501C
Double-melting behavior, 431P
Drawn fibers, 107P
Drilling apparatus, 2195P
Droplet nucleation, 807C
Dry and water saturated, 2879P
DSC, 307C, 2453C, 3101C, 69P, 2219P, 2689P
DTA, 535P
μ/σ Dual ligand, 1543C
Dual mode, 1737P
Dynamic light scattering, 1013P, 1643P
Dynamic material functions, 1225P
Dynamic mechanic analysis, 143C
Dynamic mechanical analysis, 1963P, 2297P
Dynamic mechanical properties, 307C, 1431C, 2309P
Dynamic mechanical relaxations, 1473P
Dynamic scattering, 1191P
Dynamic viscoelastic behavior, 709P
Dynamic vulcanization, 2309P
Dynamical mechanical spectroscopy, 153P
Dynamics, 1095P

e value of monomers, 2591C
ECC, 535P
Effect of ethylbenzoate, 823C
Effect of $LiClO_4$, 153C
Effective molarity, 1197C
Elastic property, 469P
Elasticity, 517P
Elastomer, 1849C, 3745C, 2715P
Elastomer blend, 107P
Elastomers, 1661P
Electric field, 689P
Electrical conductivity, 455C, 347P
Electroactive polymer, 1025P
Electrochromism, 3627C
Electroinitiation, 3009C
Electroluminescence, 2253C
Electron density modeling, 2913P
Electron diffraction, 1575P
Electron microprobe analysis, 331P
Electron microscopy, 1009P
Electron paramagnetic resonance (EPR), 3027C
Electron probe microscopy analysis, 2495P
Electron spin resonance spectroscopy, 1515C
Electron transfer, 715C
Electron-beam resist, 2827C
Electronics applications, 2441C
Electron-rich, 2787C
Electro-optical response, 1373P
Electropolymerization, 3627C, 165P
Electrorheological fluids, 1217P
Elimination, 3543C
Ellipsoid retraction, 1393P
Emulsification, 163C
Emulsion copolymerization, 2689C, 3837C
Emulsion graft copolymerization, 2607C
Emulsion polymerization, 827C, 989C, 1605C, 1659C, 2347C, 2561C, 3141C, 3255C, 3349C, 3813C, 3827C, 1515P
Encapsulation, 2835P
End groups, 2955C
End-capped polyester, 2821C
End-functionalized polymer, 1423C
Endo/exo isomerization, 123C
Energy density function, 2579C
Enol, 3683C
Enol ethers, 1579C
Entanglement, 1933P, 1943P, 2421P, 2715P
Enthalpy relaxation, 1107P, 2201P
Enzymatic degradation, 2729C
Enzymatic polymerization, 1453C
Enzyme, 27C, 35C
EPDM, 1955P
EPDM—ENB, 2403C
Epitaxy, 1415P, 1807P, 2429P
EPM, 1955P
Epoxidation, 3249C
Epoxide, 689C
Epoxide network, 651C, 665C
Epoxy, 407C, 565C, 1105C, 331P, 1611P, 1911P, 2169P, 2183P, 2363P
Epoxy networks, 2653C
Epoxy resin, 69P, 153P, 2659P
Epoxy resins, 2835C, 3101C, 233P
Epoxyalkene, 625C
Epoxy–acrylate, 1973P
1-(Epoxyethyl)-3-aryl-3-methylcyclobutane, 2123C
Epscysl, 1245C
Epsilon parameter, 2629P
EQCM, 3627C
Equilibrium, 1747P
Erucamide, 1473P
Erucamide/poly(propylene) blends, 1473P
ESR, 279, 2431C, 2195P
ESR spectrum, 153C, 1891C
Ester interchange reaction, 309P
Esterification, 557C, 727C
Ethanol, 2245P
Ethene, 2549C
Ethene–styrene copolymers, 1571C
Ethene/1-octene copolymerization, 735C
Ether diacid, 1479C
Ether-sulfone-dicarboxylic acids, 2421C
Ethoxy-hydroquinone, 197C
Ethyl chloroformate, 3125C
Ethyl formate, 1251P
Ethyl vinyl ether, 1181C
Ethyl α-benzoyloxymethylacrylate, 3483C
Ethylene, 2769C
Ethylene copolymer, 213P
Ethylene oxide, 2479C
Ethylene polymerization, 3717C
Ethylene/butene copolymer, 2151P
Ethylene-carbon monoxide copolymer, 415P
Ethylene/propylene copolymerization, 2063C
Ethylene-1-hexene copolymer, 953P
3,4-(Ethylenedioxy)thiophene (EDOT), 3627C
Ethynyl-substituted monomers, 1033C

Europium methacrylate, 101P
Even–odd effect, 2925C
EVM model, 2579C
Exchange reactions, 97C
Excimer, 963P, 1127P
Exciplex, 643C
Excited states, 299C
Extrusion, 2935P

Fabrication processes, 777P
Facilitated transport, 909P
Failure envelope, 1611P
Fe(III) sequestration, 1197C
Ferrocene, 1967C
Ferrocenophane, 3365C
Ferroelectric, 2671P
Ferroelectric liquid crystalline, 2843C
Ferromagnetic property, 2129C
Fiber, 173P
Fiber morphology, 3457C
Fibroin, 841P
Fillers, 1061C
Film, 2157C
Film density, 2157C
Film formation, 2093P
Finite concentration, 1279P
Fire retardant materials, 2865C
Five-membered dithiocarbonate, 3853C
Flame retardant, 565C
Flame-retardant, 1769C
Flash radiometry, 1869P
Florisil, 3125C
Flory–Huggins parameter, 1049P
Flory–Rehner hypothesis, 817P
Flow cytometry, 1799C
Fluctuations, 1643P
Fluorescence, 393C, 1069C, 1087C, 2105C, 2999C, 3079C, 963P, 1127P, 1593P
Fluorescence nonradiative energy transfer, 2795P
Fluorimetry, 101P
Fluorinated, 521C
Fluorinated diaminobiphenyls, 2441C
Fluorinated poly(ethers), 1963P
Fluorinated polymers, 1201P
Fluorophthalimide, 759C
Focal point groups, 1627C
Formaldehyde/phenol mol ratio of cured PF resins, 3275C
Formation constant, 1825C
Fractionation, 1843P
Fracture, 2583P
Fracture energy, 2003P
Fragmentation test, 1449P, 1463P
Free radical, 279, 2431C, 2703C, 2961C, 3095C
Free radical mechanism, 3263C
Free radical polymerization, 1763C, 3125C, 3377C, 2447P
Free radicals, 263C
Free volume, 523P, 771P, 1107P, 1737P, 1855P
Free volume theory, 1561P, 2141P
Free-radical polymerization, 1873C, 3331C
Free-volume theory, 1043P
Freezable water, 1545P
Freeze-fracture electron microscopy, 2787P
Friedel–Crafts acylation, 521C
Friedel–Crafts cyclization, 2267C
Frontal polymerization, 227, 1047C
FTFE, 3467C
FTIR, 1139C, 3101C, 507P, 1993P
FTIR spectrometry, 1689C
FTIR spectroscopy, 865P, 1055P
FT-IR spectroscopy, 1405P
FTIR spectroscopy, 2741P
FTIR-ATR spectroscopy, 1261P
Fullerenes, 1185P
Functional latex particles, 3585C
Functional microspheres, 681C
Functional polymers, 2411C
Functional polyolefin, 575C
Functional submicron particles, 2539C
Functionality, 1747P, 2825P
Functionalization, 1095C
Functionalized latex particles, 1863C
Functionalized side-group, 377
Furan, 2729C
Furfuryl alcohol resins, 2233P

Gas, 1049P
Gas drying membranes, 2133P
Gas permeability, 119P, 1855P, 2259P, 2355P
Gas phase, 2063C, 2075C
Gas separation, 91P
Gas sorption, 1339P
$Gd(OCOCCl_3)_3$ catalyst, 2591C
Gel, 2787P
Gel formation, 827C
Gel permeation chromatography, 3393C
Gelation, 371P
Gel-electrophoresis, 1843P
Gels, 795C, 817P
Generalized Flory-Huggins model, 631P
Glass, 929P
Glass bead, 2063P
Glass transition, 807, 3193C, 1P, 59P, 153P, 1107P, 1561P, 1601P, 2121P, 2483P, 2879P
Glass transition temperature, 1839C, 2579C, 3241C, 371P, 1589P, 2161P
Glassy and rubbery polymers, 1339P
Glassy polymer, 1737P
Glassy polymers, 2397P
Glassy state, 1043P
Glass–rubber softening dispersion, 599P
Glutaraldehyde, 3553C
Glycogen, 1409C, 1409C
Glycogen-iodine complex, 1409C
Glycogen–iodine complex, 927C
Glycolic acid, 1901C
Glycopolymer, 751C
Gold, silver, 1043P
GPC, 439C, 1399C, 3603C
Graft copolymer, 1381C, 1423C
Graft copolymerization, 965C, 1275C
Graft copolymers, 1431C
Graft polymerization, 817C, 1443C
Grafting, 1461C, 2599C, 3517C
Grandjean texture, 1611C
Gravimetric sorption, 1261P
Group 4 catalysts, 2697C
Group contributions, 2073P
Group transfer polymerization, 163C, 2901C
Group VIII carbonyls, 2521C

Half metallocene catalysts supported on magnesium dichlorid, 291C
Halfsandwich metallocene, 2549C
Half-sandwich metallocenes, 1571C
Hammett–Taft equation, 1719C
Head-to-tail addition, 741C
Heat capacity, 2073P, 2201P, 2281P
Heat of formation of glycogen–iodine complex, 1409C
Heat of mixing, 489P, 831P
Heat resistance, 397P
Heat treatment, 841P
Heavy metal ions, 3359C
Hectrite, 2289C
HEDA, 1125C
HEDMA, 1125C
α-Helix, 2281P
α-Helix and β-sheet crystalline structure, 841P
Helix-selective polymerization, 1925C
HEMA, 2105C
HEMAVC, 1039C
Henry's law coefficient, 1049P
Heterogenation, 3717C
Heterogeneous catalysis, 485C
Heterogeneous Ziegler-Natta catalyst, 2075C
Hexamethylenetetramine, 2233P
Hexaphenylcyclotrisiloxane, 1973C
1-Hexene, 2769C
High conversion, 1961C

High glass transition temperatures, 769C
High modulus, 2395C
High pressures, 1339P
High solubility toward organic solvents, 271C
High temperature, 2063C
High temperature resins, 2469C
High-density polyethylene, 1415P
High-density polyethylene (HDPE), 1633P
High-performance thermosets, 1033C
High-resolution solid-state NMR, 2233P
High-temperature wide-angle x-ray diffraction (HTWAXD), 623P
Hildebrand solubility parameters, 2009C
Hindered phenolic substituent, 463C
HMTA, 1389C
^{1}H-NMR, 1139C
^{1}H-NMR, 3483C
^{1}H-NMR spectroscopy, 3409C
Hoffman-Lauritzen theory for linear growth rate, 359P
Holographic Gratings, 2825P
HOMO and LUMO levels, 2591C
Homogeneous catalysis, 1571C, 2549C
Homogeneous catalysts, 1C
Homogeneous copolymers, 2689P
Homogeneous Ziegler–Natta polymerization, 735C
Homopolymerization, 2703C
Homopolymers, 1191P
Horseradish peroxidase, 3331C
HPLC, 1173C, 2631C
Hyaluronic acid, 3553C
Hybrid, 2289C
Hybrid biomaterials, 1461C
Hybrid material, 2295C, 2403C
Hydrazine, 1363C, 1369C
Hydrazinodeoxycellulose, 3359C
Hydride cocatalysts, 3027C
Hydrocarbon vapors, 1483P
Hydrodynamic thickness, 2961P
Hydrodynamic volume, 1399C
Hydrodynamics, 1989P
Hydrogek, 1461C
Hydrogel, 1039C, 1873C, 2049C, 3349C
Hydrogels, 2221C, 2535P, 3619C
Hydrogen abstraction reaction, 2607C
Hydrogen activation, 2645C
Hydrogen bond, 717P
Hydrogen bonding, 807, 595P, 1175P
Hydrogen bonds, 1405P
Hydrogenated oligo(cyclopentadiene), 1269P
Hydrogenation, 1157C, 1329C
Hydrogen-bonding interaction, 3169C
Hydrogeneration, 105C
Hydrolysis, 787C, 1293C, 2729C, 3181C
Hydrolytic degradation, 345, 27C, 35C
Hydrolytic stability, 2827C
Hydrophilic, 655P, 993P
Hydrophobic, 655P, 993P
Hydroquinone, 197C
Hydroquinone derivatives, 605C
Hydrosilylation, 41C
Hydrosilylation cure, 1311P
Hydroxycaboxylic acids, 345
2-Hydroxyethyl methacrylate, 817C
Hygrothermal aging, 2659P
Hyperbranched, 2015C, 2913P
Hyperbranched macromolecule, 1627C
Hypercritical, 631P
Hypercrosslinked polystyrene, 695C, 3847C
Hysteresis, 1821P

Imaging, 3543C
Imaging plate, 1677P
Imidazation, 143C
Imides, 3125C
Imidization, 901C
Immersion precipitation, 763P
Immiscibility, 2161P
Immobilization, 625C
Immunoassays, 1605C
Impact, 2583P
Impact testing, 241P
Imperfect crystal, 431P
Improvement of catalyst isospecificity by electron donors, 291C
In situ dynamics, 569P
In situ polymerization, 399C, 1431C
In situ synthesis, 3689C
Induction, 2293P
Induction period, 2741P
Induction time, 2447P
Inflexion points, 2559P
Influence of the temperature and solvent, 735C
Infrared, 1361P
Infrared dichroism, 1491P
Infrared spectroscopy, 557C
Inherent viscosity, 2453C
Iniferters, 1237C
Initiation, 263C
Initiation rate, 55C
Initiator, 485C
Injection molding, 241P, 265P
Injection moulding, 415P
Inorganic monomers, 1033C
Inorganic-organic hybrid, 2387C
Instantaneous distribution, 1161P
Interaction parameter, 725P, 1191P
Intercalation, 59P, 389P
Intercrosslink molecular weight, 2659P
Interdiffusion, 331P, 2435P
Interface, 2271P, 2901P, 2961P
Interface structure, 2843P
Interface/phase, 331P
Interfacial bonding, 2495P
Interfacial copolymer concentration, 1313C
Interfacial polycondensation, 3065C
Interfacial rheology, 2961P
Interfacial tension, 1393P, 2271P
Interlayer integrity, 2157C
Intermediate, 2551P
Intermolecular cooperativity, 1963P
Internal acetylene, 2395C
Interpenetrating polymer networks, 2193C, 1501P, 1973P
Interphase, 2435P, 2457P
Interpolymer complex, 1255C
Intramolecular crosslinking, 3847C
Intramolecular cyclization, 1627C
Intramolecular hydrogen bond, 193P, 717P
Intramolecular hydrogen bonding, 2421P
Intrinsic molecular properties, 777P
Intrinsic viscosity, 2533C
Inverse gas chromatography, 1233P, 1279P, 1793P
Iodine binding capacity, 1409C
Iodine binding energy, 1409C
Iodine doping, 1909C, 1993P
Ion-coupling, 3403C
Ionic cluster, 225P
Ionic conductivity, 1839C, 2057P, 2925P
Ionic liquid crystalline structure, 2569C
Ionically bonded, physiologically active polymers, 1933C
Ionomer, 799P
Ionomers, 101P, 1291P
IPDI, 2991C
IPN, 227, 2193C, 1501P, 1973P
IR absorption, 3079C
IR and Raman spectroscopy, 841P
IR spectra, 3553C
Iron(III) ions, 3327C
γ-Irradiation, 1549C
Isobaric, 1561P
Isobutyl vinyl ether, 581C
Isobutylene, 329C
Isochoric, 1561P
Isocyanate, 1769C

Isocyanide, 431C
Isoimides, 3125C
Isomerization, 3125C
Isomerization-polymerization of allyl ethers, 1579C, 1593C, 1985C, 2521C
Isophorone diisocyanate, 2991C
Isosorbide, 1611C
Isotactic polybutene-1, 1677P
Isotactic polymer, 721C
Isotactic polypropylene, 241P, 265P, 415P, 1415P
Isotactic poly(propylene), 2945P
Isotactic poly(propylenes), 2511P
Isotacticity, 2757P
Isothermal crystallization, 1117P

Ketalization, 1719C
Keto, 3683C
Ketyl radical, 715C
Kevlar, 1423P
Kinetic, 1105C
Kinetic nonideality, 1681C
Kinetic parameter, 547C
Kinetic study, 727C, 1703C, 2063C
Kinetic theory, 1919P
Kinetics, 515C, 1873C, 2075C, 2177C, 2333C, 2689C, 2981C, 3341C, 3613C, 3697C, 3735C, 3813C, 587P, 2715P
Kinetics model, 2447P
Knoevenagel polycondensation, 2041C
Kraft lignin, 1899P
Kramers' theory, 317P

Lactam, 1831C
Lactic acid-depsipeptide copolymer, 377
Lactide, 1901C, 3431C
Lamella, 535P, 1175P
Lamellae, 213P
Lamellar crystals, 675P
Lamellar microstructure, 1533P
Lamellar structure, 2565P
Lamellar twisting, 2429P
Laser, 747C
Laser light scattering, 1593P
L-aspartic acid, 285
Latent monomer, 1333C
Lateral differential swelling stresses, 2593P
Lateral substitution effect, 2793C
Latex, 2193C, 3255C, 1501P
Latex blends, 2093P
Latex particles, 1799C
Latexes, 1207P
Lauryl methacrylate, 1999C
Layer structure, 1621C
LC configuration, 1373P
LC droplet, 1373P
LCST, 1967C
LCST behavior, 1383P
Leaching, 2659P
Leucine-tyrosine, 499C
Lewis acid, 475C
Librational motions, 1241P
Lifetime, 393C
Ligated anionic polymerization, 1543C
Light scattering, 1799C, 3393C, 3603C, 85P, 141P, 2935P
Light-emitting diode, 2253C
Light-scattering techniques, 439C
Limiting oxygen index, 565C
Linear chains, 1191P
Linear polyesters containing sulfur, 547C
Linear polymeric Schiff base complexes, 3249C
Linking reactions, 587P
Lipase, 27C, 35C
Liquid chromatography, 1173C, 3181C
Liquid crystal, 1727P
Liquid crystalline, 1105C
Liquid crystalline epoxy resins, 2739C
Liquid crystalline molecules, 2569C
Liquid crystalline polymer, 1849C
Liquid crystalline polymers, 2569C, 2793C, 203P, 1217P
Liquid crystalline thermoset, 2363P
Liquid crystalline thermosets, 1061C, 397P
Liquid crystallinity, 197C
Liquid modifiers, 233P
Liquid polysulfide polymer, 1363C, 1369C
Liquid-gel demixing, 2825P
Liquid-liquid demixing, 631P
Liquid–liquid demixing, 763P
Lithiation, 509C
Lithium dialkylamides, 3637C
Lithium-bromine exchange reaction, 17C
Living anionic polymerization, 2035C
Living carbocationic, 3341C
Living cationic polymerization, 255C, 1181C
Living coordination polymerization, 431C
"Living" free radical, 2311C
Living polymerization, 751C, 1423C, 1831C, 3207C
"Living" radical polymerization, 1237C
Living radical polymerization, 2371C
Living radical polymerizations, 2297P
"Living-like" cationic polymerization, 581C
L-lactide, 219C
Local polymer dynamics, 1241P
Long period, 535P
Longitudinal acoustic mode, 1117P
Longitudinal acoustic modes, 47P
Loss area, 1501P
Low dielectric constant, 173P
Low temperature relaxations, 807
Low-density polyethylene (LDPE), 1633P
Lower critical solution temperature (LCST), 2827C
Lubricity, 2607C
Lyotropic solution, 1217P

Macro-azo-initiators, 69C
Macrocyclic aryl(ether ketone) dimer, 1753C
Macrocyclic imide, 759C
Macromolecular characteristics, 1413C
Macromolecules, 563P,
Macromonomer, 1423C
Macroporous beads, 2631C
Macroporous monoliths, 1013C
Macroporous polymer beads, 2747C
Magnetism, 2167C
MALDI-MS, 2183C
MALDI-TOF mass spectrum, 1891C
MALDI-TOF-MS, 2409P
Maleic anhydride, 901C
Maleic Anhydride, 3735C
Maleimide terminated, 385C
Mark–Houwink, 2533C
Mark–Houwink–Sakurada constants, 1985P
Mathematical model, 1799C
Matrix Assisted Laser Desorption Ionization, 2409P
Matrix polymerization, 1255C
Mean-field binary interaction model, 489P, 831P
Mechanical properties, 107P, 241P, 1269P, 2093P, 2297P, 2583P, 2757P
Mechanical relaxation, 457P, 2151P, 2749P
Mechanics, 2583P
Mechanism, 2689C, 3431C, 3613C
Mechanisms, 3027C
Mechanochemistry, 1955P
Mechanoradicals, 2195P
Medium polarity, 1433P
Melt, 1013P
Melt blends, 2161P
Melt polycondensation, 547C
Melt polymerization, 3506C
Melt transesterification, 2453C
Melt viscosity, 1313C
Melting, 535P, 1757P, 1877P
Melting point depression, 2645P

Melting points, 2757P
Melting temperature, 2161P
Melting transitions, 763P
Membrane, 469P
Membrane filtration, 2461C
Membrane gas separation, 909P
Membrane morphology, 569P
Membranes, 1461C, 91P, 763P
Menschutkin reaction, 1219C
Mercapto group, 1443C
Mesogen, 2653C
Mesogenic epoxy resin, 397P
Mesogenic pyridinium salts, 2569C
Mesomorphic phase, 2151P
Mesophase, 1727P
Mesophase transitions, 1491P
Metal binding, 527C
Metal ion adsorption, 631C
Metal ion binding abilities, 2461C
Metallocene catalyst, 307C, 575C
Metallocene polymer, 3365C
Metallocenes, 329C, 735C
Meta-naphthoquinone methide, 741C
Metastable phase diagrams, 1973P
Metathesis polymerization, 3441C
Methacrylamide, 2619C
Methacrylate, 2579C
Methacrylic acid, 2123C, 3603C
Methacrylic monomers, 1125C
Methacryloyl-terminated poly(oxyethylene), 3131C
2-(Methacryloyloxy)ethyl phosphorylcholine, 3349C
Methanesulfonic acid, 2143C
1-Methoxy-1-ethynylcyclohexane, 475C
Methyl acetate, 1251P
Methyl methacrylate, 263C, 965C, 1543C, 1659C, 1999C, 2009C, 2311C, 2955C, 3323C, 3349C, 3483C
Methyl tri(ethylene glycol) vinyl ether, 1181C
Methyl vinyl ether, 1181C
Methyl α-trifluoroacetoxyacrylate, 3537C
Methylalumoxane, 1C
Methylcellulose, 717P
2-Methylene-1,3-dioxane, 3655C, 3707C
2-Methylene-1,3-dioxepane, 485C
2-Methylene-1,3-dioxepane, 3655C
2-Methylene-1,3-dioxolane, 3655C, 3707C
2-Methylene-5,5-dimethyl-1,3-dioxane, 3707C
1,1′-[Methylenebis(oxy)]-bis-[2-chloroethane], 1363C, 1369C
4-Methylene-2-phenyl-1,3-dioxolane, 2207C
Methylethoxysilanes, 1293C
$MgCl_2$-supported dichlorobis(β-diketonato)titanium catalyst, 823C
$MgCl_2$/THF/$TiCl_4$, 2769C
Mica substrate, 1807P
Micelles, 1181C
Michael addition reaction, 171C
Microdomain model, of crystallinity in PVC, 1009P
Microemulsions, 2775P
Microenvironmental pH, 2105C
Microgel, 1443C
Microgels, 1701P
Microinterferometry, 2593P
Micron size, 681C
Micronized terephthalic acid, 2143C
Microphases, 849P
Microphase-separated diblock copolymer, 2629P
Microphase-separated structure, 255C
Microscratch, 1295P
Microspheres, 171C
Microstructure, 1313C, 2969C, 1727P, 2715P, 2857P
Microstructure of isotactic polypropene, 291C
Microstructures, 945P
Microwave degradation, 2379P
Migration, 963P
Miniemulsion, 595C, 807C
Miscibility, 173P, 953P, 1269P, 1383P, 1911P, 2161P
Miscible blends, 655P, 993P
Mixed gas permeation, 1483P
Mobility, 2245P
Model calculations, 203P
Model compound, 123C
Model compound of carbon black, 581C
Model investigation, 2653C
Modeling, 1293C
Moduli, 2757P
Modulus, 2391P
Moisture effect, 807
Moisture regain properties, 3527C
Moisture sorption, 1423P
Molecular alignment, 265P, 415P
Molecular analysis, 807
Molecular composite, 2157C
Molecular conformation, 841P
Molecular dynamics, 1127P
Molecular interaction parameter, 2645P
Molecular magnetism, 2167C
Molecular motion, 119P
Molecular nucleation, 1877P
Molecular orbital theory, 77C
Molecular orbitals, 2889C
Molecular orientation, 1361P, 1449P
Molecular relaxations in solid state, 1633P
Molecular weight, 557C
Molecular weight averages, 1399C
Molecular weight between crosslinks, 1611P
Molecular weight dependence, 2503P
Molecular weight distribution, 827C, 989C, 85P, 1515P
Molecular weight distributions, 1711P
Molecular weight segregation, 901C
Molecular-scale heterogeneity, 709P
Molten state reactivity cyanate esters, 3101C
Mono-Cp-amido complexes, 1571C
Monodisperse particles, 1173C
Monodisperse polymer, 1831C
Monomer reactivity ratio, 2591C, 2813C
Monomer reactivity ratios, 1515C, 2049P
Monomer sequence distribution, 2049P
Monomers, 2787C
Monte Carlo, 2715P
Monte Carlo method, 1P, 1515P
Monte Carlo simulations, 2757P
Montmorillonite, 2289C, 389P
MOPAC, 2607C
Morpholine–chlorine C-T complex, 1681C
Morphology, 1C, 97C, 989C, 1013C, 1939C, 2193C, 2239C, 3049C, 173P, 225P, 293P, 415P, 953P, 1175P, 1415P, 1757P, 1807P, 1843P, 2271P, 2457P, 2465P, 2523P, 2583P, 2689P, 2825P
Morphology of polyzwitterions, 479P
m-phenylenebis(2-oxazoline), 2711C
MTEMPO, 2371C
m-TMI, 889C
MU solvents, 1949C
Multiarm star-branched polyisobutylenes, 3767C
Multiarmed polymer, 1839C
Multibranched polymer, 2097C
Multicomponent, 2193C, 1501P
Multidimensional polymer, 3451C, 3457C
Multifunctional Si-monomer, 3217C
MWS relaxation, 1349P

N;u9N-bonded polymers, 2835C
Nadic anhydride, 2323C
Nadimide, 2917C

Nafion, 771P
n-alkanes, 1775P
n-Alkyl acrylates, 1543C
Nanocatalysts, 3151C
Nanocomposites, 59P
Nanofoam, 1067P
Nanoparticle, 1593P
Nanoparticles, 171C
Nanosponge, 3847C
Naphthalene, 1127P
Naphthalene derivatives, 521C
β-Naphthalene sulphonic acid, 3689C
4,4′-(2,3-Naphthalenedioxy)dibenzoic acid, 3385C
4,4′-(2,7-Naphthalenedioxy)dibenzoic acid, 1469C
Naphthalimide, 1069C
Natural rubber, 725P
n-butyl acrylate, 361
n-butyl acrylate, 3827C, 3837C
N-cyanomethanimine, 2703C
N-cyclohexylacrylamide, 193C
Negative pressure, 1251P
Negative type, 371
Nematic, 197C, 769C
Nematic melts, 2777C
Network, 455C, 2825P
Network chain orientation, 397P
Networks, 977C, 817P
Networks with ordered structures, 2653C
Neutron diffraction, 193P
Neutron scattering, 2329P, 2889P
New bimolecular photoinitiator system, 3801C
New iodine species, 927C
Nickel, 3729C
Nickel-promoted, 463C
Ni(II), 1825C
Ni(II) binding, 533C
Ni(II)-template, 527C
N-isopropylacrylamide, 3075C
Nitrile rubber, 2309P
Nitrogen and water vapor permeation, 2133P
Nitroxide trapping, 263C
Nitroxide(s), 1857C
N-methyl pyrrolidinone, 2311C
NMR, 439C, 799C, 1389C, 1399C, 1549C, 2607C, 3101C, 3619C, 1095P, 1955P
NMR of cured PF resins, 3275C
NMR spectra, 3527C
NMR spectroscopy, 1167C, 2991C
NMR T_1, 1241P
N,N′-bis-(4-anilino)-1,2,4,5-benzene bis(dicarboximide), 319C
N,N-dimethylamino group, 1219C
N,N-dimethyl-4-Toluidine, 643C
n-nonyl acrylate, 361
N,N′-aliphatic dicarboxyl bis(hydrazones), 2835C
Nonaqueous, 2539C
Nonbirefringence, 1911P
Non-conjugated conducting polymer, 3365C
Noncoordinating anions, 329C
Nonequilibrium phenomena, 763P
Non-Fickian diffusion, 2103P
Noninteger fold, 1117P
Nonionic surfactant, 3813C, 3827C, 3837C
Nonisothermal crystallization, 875P
Nonlinear block copolymers, 813C
Nonlinear diffusion, 2103P
Nonlinear optical materials, 2041C
Nonlinear optical polymer, 2385P
Non-Newtonin viscosity, 523P
Norbornadiene, 1157C
Norbornene dicarboximide, 2917C
5-Norbornene 2,3-dicarboximide, 2323C
Normal modes, 2281P
Normalized crystallization rate constant, 359P
Novolac, 1399C
Novolac resins, 1389C
n-pentane, 2245P
N-phenyl imides, 1095C
N-substituted tetrahydropyrimidine, 2411C
Nuclear magnetic resonance, 509C, 2029P
Nuclear magnetic resonance (NMR), 2161P
Nuclear reaction analysis, 2083P
Nucleation, 1077P
Nucleophile bearing aryl halides moieties, 2097C
Nucleophiles, 1211C
Nucleophilic substitution, 371, 447C
N-vinylalkylamide, 3087C, 3377C
N-vinylformamide, 2533C
N-vinylimidazole, 3735C
N-vinylisobutyramide, 1763C, 3087C, 3377C
N-vinyl-2-pyrrolidinone, 817C
Nylon 6, 2765P
Nylon synthesis, 2379C
Nylon-6, 2583P, 2879P
Nylons, 675P, 2219P
N-(2-hydroxypropyl)methacrylamide, 3349C

3-(*O*-benzyl)-see under L-serinylmorpholine-2,5-dione, 1901C
1-Octene, 2549C
1-Octene based linear low-density polyethylene (LLDPE), 1633P
Oil-soluble initiator, 807C
Oil-soluble initiators, 2347C
Olefin copolymerization, 307C
Olefin terpolymerization, 307C
Oleic acid, 3409C
Oligo(amide acid), 3745C
Oligoetherimide, 759C
Oligomer, 2857P
Oligosaccharides, 3181C
OM, 2689P
One-dimension, 959C
One-dimensional structure, 91C
One-handed screw sense, 1925C
One-shot feeding, 1007C
o,o′-dihydroxyazobenzene, 1825C
o-phthalic anhydride, 3409C
Optical activity, 3287C
Optical adhesive, 1911P
Optical microscopy, 2935P
Optical polymer films, 2385P
Optical properties, 2057P
Optical texture, 2871C
Optically active, 2619C
Optically active amino alcohol, 2925C
Optically active aminoalcohol, 345
Optically active polymer, 1925C
Optically active polymers, 879C
Order-disorder transition, 1643P
Order-order transition, 2811P
Organic conductors, 2803P
Organolithium reagent, 455C
Organophosphorus polymers, 889C
Organosilanes, 1579C, 1593C, 1985C, 2521C
Organosilicon polymers, 2609P
Orientation and relaxation, 1491P
Orientation function, 1821P
Orientation of amorphous phase, 889P
Oriented polymers, 1661P
Oriented PP/EPM films, 1439P
Orthorhombic/monoclinic/pseudohexagonal transformation, 623P
Ortho-tolylbiguanide, 2739C
Osmotic deswelling, 1833P
Oxaaza macrocycles, 527C
Oxazoline, 2539C
Oxetane, 1007C
Oxidative coupling, 587C
Oxidative coupling polymerization, 2259C
Oxidative degradation, 3263C
Oxidative polymerization, 1453C
Oxide coating, 1449P, 1463P
Oxidoreductase, 3331C
Oxyethylene, 2453C
Oxyethylene segment, 827P
Oxygen reactive ion etching (O_2RIE) Resistance, 2827C

Ozonolysis, 3255C

Palladium catalyst, 1157C
Palladium catalyst, 1211C, 1283C, 2097C, 2759C
PAmXD,6, 901C, 917C, 1313C
Partial molar volume, 1049P
Particle growth, 2075C
Particle size control, 681C
Particles, 553P
PBO, 3451C, 3457C
p-chlorophenol blocked diisocyanates, 1711C
p-chlorophenol blocked isocyanates, 1703C
p-chlorostyrene polymerization, 3341C
Pd and Rh species, 105C
PDLC, 1373P
PDMS, 3506C
PEEK, 875P
PEEK amination, 3779C
PEEK carboxylation, 3779C
PEEK film, 3779C
Peeling, 615P
PEG monoacrylate, 3467C
Pendant benzoyl groups, 605C, 2267C
Pendant chloromethyl group, 3791C
Pendant see under D-glucosamine residue, 751C
Pendant glucose residues, 255C
PEO, 2681P
PEO macromonomers, 3131C
PEO-MA, 3131C
PEO-St, 3131C
PEO/water system, 1545P
Percolation, 1349P
Perfect crystal, 431P
Perfluoropolyethers, 2073P
Permeability, 2289C
Permeation, 91P
Permselectivity, 699P, 1855P
Peroxidase, 1453C
Peroxide, 2607C, 3517C
Persulfate cations, 3141C
Pervaporation, 699P
Perylene dianhydride, 2137C
PET, 875P
PET filament yarns, 2183C
PETI, 309P
PETMP, 2333C
PET/PEI melt blend, 309P
γ-Phase, 265P
Phase, 535P
Phase behavior, 1135P
Phase compatibility, 225P
Phase equilibria, 1251P
Phase inversion, 917C, 569P
Phase separation, 2157C, 3441C, 865P, 1383P, 1545P, 1869P, 2329P
Phase separation/mixing, 3263C
Phase transition, 1843P, 2843P
Phenol-formaldehyde resin, 1399C
Phenolic substituent, 463C
Phenolphthalein poly(aryl ether sulfone), 85P
Phenolphthalein poly(ether ether sulfone), 1383P
Phenolphthalein-*N*-(methylanilide), 3227C
Phenol–formaldehyde resol resin curing, 3275C
Phenomenological theory, 1919P
Phenoxy, 97C
5-Phenoxymethyl-1,3-dithiolane-2-one, 3853C
Phenyl ethynyl ether imides, 2943C
Phenylazido, 137C
Phenylbenzoate structure, 2653C
Phenylhydroquinone, 197C
Phenylhydroxysilane, 2355C
2-(α-Phenylisopropyl)hydroquinone, 2777C
Phonon dispersion, 2281P
Phosphate, 565C
Phosphatidylcholine analogous diamine, 3065C
Phosphine oxide, 493C, 2865C
Phospholipid analogous polyamides, 3065C
o-Phosphoric acid, 285
Phosphorus, 565C, 977C, 1769C
Photoacoustic spectroscopy, 187P
Photocalorimetry, 3801C
Photochemistry, 137C, 3603C
Photocleavage, 613C
Photoconductivity, 91C, 959C
Photoconductors, 2803P
Photocrosslinking, 2513C
Photodegradation, 1283C, 3017C
Photogenerated base, 3543C
Photograft polymerization, 3467C
Photoinduced electron transfer, 1185P
Photoinitiated catioic polymerization, 3217C
Photoinitiated cationic polymerization, 2207C
Photoinitiated polymerization, 2889C
Photoinitiated radical polymerization, 3217C
Photoinitiator, 3095C
Photoisomerization, 9C
Photoluminescence, 427C
Photooxidation, 1689C
Photo-oxidation, 2599C
Photophysics, 963P
Photopolymerization, 613C, 2999C, 3801C
Photopolymerization of MMA, 1681C
Photopolymerization of *N*-substituted phenyl maleimides, 643C
Photopolymerizations, 2297P
Photoreaction, 1849C
Photoreactive polymer, 371, 1849C
Photorefractive materials, 2041C
Photoresist, 2355C
Photosensitivity, 371
Photosensitizer, 2333C
Photosetting polycarbonates, 1611C
Phthalic anhydride, 3125C
Physical ageing, 1107P
Physical aging, 69P, 929P, 1167P, 1483P, 2201P
Physical changes, 2259P
Physical property, 717P
Physical property characterization, 2441C
Physico-chemical properties, 547C
β-Pinene, 1423C
PK, 415P
Plasma polymerization, 1651P
Plasma-induced surface grafting, 631C
Plastic yielding, 615P
Plasticization, 1545P
Plasticized ethyl cellulose, 639P
Plasticizer content, 639P
Platinum, 1329C
Platinum nanoparticles, 1207P
PMDA-ODA polyimide, 777P
p-methylstyrene, 575C
p-methylstyrene polymerization, 3341C
PMMA, 2195P
PMMA, 2681P
PMSP, 119P
P_n, 55C
p-Nitracetanilide, 3095C
Polar and nonpolar plasticizers, 1291P
Polar functional groups, 1145P
Polarography, 3327C
Poly(1,1-diethylsilabutane), 3207C
Poly(1,1-dimethylsilabutane), 3207C
Poly(1,2-propanediyl fumarate), 27C, 35C
Poly(1,5-dioxepan-2-one), 1635C
Poly(2,6-dimethyl-1,4-phenylene oxide), 2609P
Polyacetylene, 2167C
Polyacrylate, 3125C
Poly(acrylic acid), 799C, 507P, 909P
Poly(acrylic acid) gel, 2029P
Poly(acrylic acid-*co*-acrylamide), 2461C
Polyacrylonitrile, 1405P

Poly(acrylonitrile-*co*-methyl acrylate), 1405P
Poly(acryloylacetone), 3683C
Polyaddition, 715C, 1265C, 2365C, 2487C, 2711C, 3791C
Poly(alkylene ether ketone)s, 2207C
Poly(amic acid), 1527C
Poly(amic acid) salt films, 2493C
Poly(amic acid)s, 2441C
Poly(amic ester), 143C
Polyamide, 493C, 1077C, 3305C
Polyamide 6, 2457P
Poly(amide acid), 3745C
Polyamide-imide, 1703C
Poly(amide-imide), 1711C
Poly(amide-imide)s, 1149C, 1487C
Polyamides, 499C, 1353C, 1469C, 1479C, 1487C, 2147C, 3385C, 2379P
Poly(amide–sulfide), 2711C
Polyampholyte, 231C, 243C
Polyanhydride, 183C
Polyaniline, 1673C, 2129C, 1993P, 2765P
Polyanion, 1255C
Poly(aryl ether) dendrimers, 1781C
Poly(aryl ether ketone), 271C, 521C
Poly(arylene ether ether ketone), 371
Poly(arylene ether sulfone), 1095C
Poly(arylene ether)s, 605C, 2267C
Poly(arylether sulfone)s, 2083P
Poly(aryl-ether-ether-ketone) (PEEK), 2565P
Polyaspartates, 2379P
Poly(benzobisoxazole), 1909C
Poly(benzobisthiazole), 1909C
Polybisaminophosphazene, 1023C
Polybisaminophosphazene–silver nitrate complexes, 1023C
Polybutadiene, 965C, 3507C
Polybutylene, 2465P
Poly(butylene terephthalate), 2161P
Polycaprolactone, 1139C
Polycarbonate, 385C, 3729C, 735P, 749P, 1043P
Poly(carbonate), 1561P
Polycarbonate, 2141P, 2161P, 2169P, 2183P
Polycarbonate, bisphenol S, 2453C
Polycarbonate (PC), 97C
Poly(carbosilane), 3193C
Polycarbosiloxane networks, 41C
Poly(carboxybetaine), 3527C
Polycarboxylic acids, 557C
Polycation, 243C
Polychelatogens, 2461C
Poly(chloromethylstyrene), 2631C
Polycondensation, 345, 493C, 947C, 1293C, 2015C, 2729C, 2827C, 2865C, 2925C
Poly(crown ether), 1819C
Polydendate Lithium alkoxides, 361
Polydiacetylene, 587C
Poly(dimethylsiloxane), 2607C
Polydimethylsiloxane, 523P
Polydimethylsiloxane network, 2391P
Poly(diphenylsilmethylene), 399C
Poly(diphenylsiloxane), 1973C
Polydispersity, 2653P
Poly(dithiocarbonate), 3853C
Poly(divinylsiloxyethylene glycol), 2827C
Poly(see under D,see under L-lactide), 703C
Polyelectrolyte, 231C, 33P, 507P, 2925P
Polyelectrolyte gel, 1433P
Polyelectrolytes, 3151C, 1833P
Polyene, 475C
Polyepichlorohydrine, 681C
Polyester, 197C, 447C, 1265C, 1627C, 2729C, 1127P
Polyester network, 35C
Poly(ester-amide), 345
Polyesteramide, 499C
Poly(ester-amide), 2925C
Poly(ester-amide)s, 3241C
Poly(ester-imide)s, 203P
Polyester/PVA blend, 3561C
Polyesters, 947C, 3017C, 3409C, 1757P
Polyester–sulfur compositions, 2231C
Polyether, 447C, 799P
Poly(ether amide)s, 1479C, 457P
Poly(ether diphenyl ether ketone), 431P
Poly(ether imide)s, 2281C, 2801C
Poly(ether sulfone), 69P
Poly(ether urethane urea)/Lycra 146C, 3263C
Polyetherester copolymer, 1849C
Polyetherethersulfone, 2133P
Polyetherification reaction, 1781C
Polyetherimide, 929P
Poly(ether-imide) (PEI), 2565P
Polyethers, 1743C
Polyethersulfone, 993P
Poly(ethylacryloylacetate), 3683C
Polyethylene, 279, 1549C, 2431C, 199P, 469P, 535P, 545P, 615P, 1145P, 1601P, 1677P, 2121P, 2551P, 2889P
Polyethylene composites, 2429P
Polyethylene copolymer, 575C
Poly(ethylene glycol), 703C
Poly(ethylene oxide, 211C
Poly(ethylene oxide), 1839C, 3161C, 3169C, 1117P, 1383P
Poly(ethylene oxide) networks, 1819C
Polyethylene oxide (PEO), 1095P
Poly(ethylene oxide) side chains, 2719C
Poly(ethylene terephtalate), 889P
Poly(ethylene terephthalate), 2183C
Poly(ethylene-2,6-naphthalate), 2741P
Poly(ethylenimine), 527C, 533C, 1197C, 2935C
Polyethyloxazoline, 993P
Polyfunctional vinyl ether oligomer, 3217C
Polyglutamates, 2379P
Polyglutanimide, 735P, 749P
Polyglycidylmethacrylate, 3507C
Polyimide, 143C, 2289C, 2395C, 2493C, 3009C, 3287C, 3745C, 173P, 1067P
Polyimide alternating copolymers, 319C
Polyimide membrane, 2259P
Polyimides, 1149C, 1303C, 1353C, 1487C, 1527C, 2441C, 1855P
Polyion polarizability, 2951P
Polyisobutene, 3595C
Polyisobutylene, 1689C, 599P
Poly(isobutylene-*co*-4-methylstyrene), 1173C
Polyisoimide powder, 3335C
Polyisoprene, 17C, 2969C, 2503P
Polyisoprene bromine-terminated, 17C
Polyketone, 1157C, 2759C
Poly(lactic acid), 377, 1651C
Polylactide, 3431C
Poly(*l*-lactide), 389P
Poly(see under L-leucine), 2281P
Poly(maleic anhydride), 901C
Poly(MCHEMA), 2123C
Polymer, 563P, , 2271P, 2901P
Polymer association, 1899P
Polymer blend, 917C, 1431C, 3161C, 3169C, 953P, 1095P, 2645P, 2935P
Polymer blends, 97C, 399C, 293P, 489P, 1393P, 1869P, 2775P, 2835P
Polymer carriers, 625C
Polymer crystal nucleation, 2617P
Polymer crystallization, 2559P
Polymer electrochemistry, 3365C
Polymer electrolyte, 2719C, 2057P, 2925P
Polymer films, 1621P
Polymer foam, 1067P
Polymer fracture, 1295P
Polymer friction, 1295P

Polymer gels, 1833P
Polymer interfaces, 979P
Polymer melt, 1933P, 1943P
Polymer miscibility, 211C, 3161C
Polymer modified asphalts, 1225P
Polymer morphology, 3169C
Polymer network, 3745C
Polymer networks, 2739C
Polymer relaxation, 1887P, 2795P
Polymer salts, 1933C
Polymer solution, 469P, 2103P
Polymer solution properties, 2843P
Polymer solutions, 523P, 631P
Polymer swelling, 469P
Polymer waveguides, 2385P
Polymer wear, 1295P
Polymer with oligo(ethyleneimines), 2857C
Polymeric alcohol, 715C
Polymeric catalyst, 1809C, 3249C
Polymeric chiral surface functionality, 2747C
Polymeric hindered amine stabilizers, 2599C
Polymeric solid phase reagents, 1413C
Polymeric sulfonamides, 2857C
Polymerizability, 1831C
Polymerizable photosensitizer, 1087C
Polymerizable surfactants, 2561C
1,2-Polymerization, 485C
Polymerization, 1C, 595C, 741C, 437P, 789P
Polymerization characteristics and mechanisms, 1339C
Polymerization in mold, 1013C
Polymerization kinetics, 1013C, 1571C, 1681C, 1799C, 2029P
Polymerization mechanism, 993C
Polymerization rate, 1375C
Polymer/metal complex, 3561C
Polymer-supported catalyst, 727C
Polymer-supported catalysts, 105C
Polymer–metal complex, 1809C, 909P
Poly(methacrylic acid), 393C
Poly(methyl methacrylate), 2539C, 2409P
Polymethyl methacrylate (PMMA), 1095P
Poly(methylethacrylate), 3729C
Poly(methylmethacrylate), 299C
Poly(methylphenylsilane), 1939C
Poly(methylstyrene), 1863C, 3585C
Poly(MMA-*co*-VP), 3619C
Poly(monoethylphenyl itaconate), 2749P
Polymorphism, 133P, 1055P
Poly(*m*-phenylene), 2259C
Poly(naphthalic anhydride), 1575P
Polynaphthalimides, 539C
Polynaphthalisoimides, 539C
Poly(*n*-hexyl isocyanate), 1217P
Poly(*N*-isopropylacrylamide), 1329C, 1535C, 1763C
Poly*N*-isopropylacrylamide, 3087C
Poly(*N,N*-dimethylaminoethyl methacrylate-*co*-acrylamide), 595P
Polynorbornene, 91P
Poly(*N*-phenyl-2-hydroxytrimethylene amine), 211C
Poly(octadecyl acrylate), 1025P
Polyoctenamer, 2599C
Polyolefin, 1955P
Polyolefins, 2329P, 2889P
Polyoxetanes, 2843C
Poly(oxy methylene), 2121P
Poly(oxyethylene), 673C, 1877P
Poly(oxyethylene phosphonate)s, 625C
Polyoxymethylene, 2479C, 107P, 1677P
Poly(PCHEMA), 2123C
Polypeptides, 2379P
Polyperoxides, 1167C
Polyphenol, 1453C
Polyphenylacetylene, 2167C
Poly(phenylenebenzobisoxazole), 2143C
Poly(phenylenebenzobisthiazole), 2143C
Poly(phenylisocyanide), 439C
Polyphosphate, 2365C
Polyphosphoric acid, 2143C
Poly(phthalaldehyde), 77C
Poly(*p*-methylstyrene), 2969C
Poly(*p*-oxybenzoate), 1807P
Poly(*p*-phenylene terephthalamide), 1423P
Poly(*p*-phenylenebenzobis(oxazole)), 2157C
Poly(*p*-phenylenebenzobis(thiazole)), 2157C
Polypropylene, 631C, 3083C, 953P, 1077P
Poly(propylene), 1473P
Polypropylene, 1601P, 2309P, 2617P, 2757P
Poly(propylene) unit cell, 2945P
Poly(propylene)s, 1135P
Poly(pyromellitimide), 3335C
Polypyrrole, 3009C, 165P, 347P
Polyradicals, 2167C
Polysaccharides, 3181C
Polysilane, 427C, 455C, 2355C, 3079C, 1533P, 1727P
Poly(silmethylene), 1431C
Polysiloxane bridge, 3717C
Polysiloxane-*block*-polyimide, 2239C
Polysiloxanes, 879C, 2793C
Poly(silylenemethylene), 3193C
Polystyrene, 509C, 681C, 1275C, 1939C, 2907C, 3595C, 3729C, 489P, 831P, 1241P, 1251P, 1601P, 1869P, 2103P, 2609P
Polystyrene ionomer, 1593P
Poly(succinimide-*co*-6-aminocaproic acid), 285
Polysulfane, 2961C
Polysulfone, 655P
Poly(tertiary aminostyrene)s, 1219C
Poly(tetrahydrofurfuryl acrylate), 1589P
Poly(THF), 3403C
Polythioethers, 1743C
Polythiophene, 463C, 165P
Polyureas, 499C
Polyurethane, 613C, 1333C, 1769C, 2991C, 3117C, 3745C, 1747P, 1821P, 2495P
Polyurethane ionomer, 225P
Polyurethane ionomers, 1237C
Polyurethane prepolymer, 3745C
Poly(urethane urea), 865P
Poly(urethane–imide), 3745C
Poly(vinyl acetate), 1899P
Poly(vinyl alcohol), 1719C, 193P
Polyvinyl alcohol, 2421P
Polyvinyl alcohol and rare earths, 187P
Poly(vinyl alcohol) (PVA), 1701P
Poly(vinyl chloride), 3729C
Poly(vinyl methyl ether), 211C, 1869P
Poly(vinyl pyrrolidone), 655P
Polyvinylamine, 2513C
Poly(vinylferrocene), 3365C
Poly(vinylidene chloride), 2645P
Poly(vinylidene fluoride), 1227C
Polyvynilidenefluoride, 2483P
Polyxanthenes, 2267C
Polyzwitterions, synthesis of, 479P
Poly(1-methyl-1-phenylsilabutane), 3207C
Poly(1-trimethylsilyl-1-propyne), 1483P, 2245P
Poly(2-ethylbutyl acrylate), 1589P
Poly(2-*tert*-butyl-amino)ethyl methacrylate), 2035C
Poly(3-dodecyl thiophene), 1025P
Poly(3-hydroxybutyrate), 2645P
Poly(4-methylpentene-1), 1269P
Poly(4-vinylpyridinium) salts, 2569C
Poly(8-acryloyloxyquinoline), 1087C
Poly(ε-caprolactam), 2457P

Poly(ε-caprolactone), 703C, 709C, 2295C
Poly(ϵ-caprolactone), 211C
POM, 875P, 2121P
Porogens, 1013C
Porous films, 1067P
Porous polymer beads, 1173C
Porous properties, 1013C
Porperties, 3619C
Positron annihilation, 771P, 1601P
Potassium poly(ethylene glycol)ate, 709C
Power law, 2535P
PP, 875P
PP-g-MA, 901C, 917C, 1313C
p-phenylenebis(2-oxazoline), 2711C
PPV, 2253C
Preceramic monomers, 1033C
Precipitation strength, 173P
Prediction, 2579C
Pressure, 535P, 1251P
Pressure effects, 631P
Pressure-sensitive adhesive, 3571C
Primary acrylates, 361
Processability, 977C
Processing, 123C
Promesogenic, 1733C
Propagating front, 227
Propagating polymerization fronts, 1047C
Propagation rate coefficient, 2311C
Propagation rate constant, 153C, 1515C, 1891C
Propellant binders, 2835C
Propene, 1C
Propene polymerization, 823C
1-Propenoxy-functional silsesquioxanes, 407C
1-Propenyl ether monomers, 1593C
1-Propenyl ether monomers, 2521C
1-Propenyl ethers, 1985C
Propylene oxide, 2177C
Propylene polymerization, 2645C
Propylene/ethylene copolymers, 241P
Protective polymers, 1207P
Protein adsorption, 3349C
Proton NMR, 2551P
Proton spin-lattice relaxation time in the rotating frame, $T_{1\rho}$, 709P
PTFE, 1499C, 2121P
Pulse radiolysis, 299C
Pulsed laser polymerization, 515C
Pulsed photothermal radiometry, 1621P
Pulsed-laser polymerization, 2311C
PVA, 3603C
PVA microfibrillar fiber, 55C
PVA-iodine complex, 1701P
PVC, 317P, 1009P
PVDF film, 1227C
p-Vinylbenzyl-terminated polyoxyethylene, 3131C
PVK, 1185P
PVPi, 55C
PVSE, 2827C
PVT behavior, 1561P
Pyrazoline, 1353C

Q-e values, 3571C
QSPR, 2579C
Quantum semiempirical calculations, 2889C
Quantum yield, 427C
Quaternary ammonium polyhalide reagents, 1413C
Quaternary onium salts, 3791C
Quaternization, 1219C
Quaternized poly(4-vinylpyridine), 2719C
Quenching, 2671P
Quinones, 795C
Quinonoid compound, 741C

Radiation, 1201P
Radiation-induced polymerization, 3075C
Radical, 747C, 2487C
Radical copolymerization, 153C, 2813C
Radical efficiency calculation, 2889C
Radical intermediate, 643C
Radical polymerization, 153C, 1857C, 1891C, 2619C, 2813C, 2955C, 3323C, 3537C
Radical ring-opening polymerization, 2501C
Radiolabeling, 1227C
Radius of gyration, 2913P
RAMAN, 47P
Raman spectra, 1117P
Raman spectroscopy, 2151P
Random copolymer, 2835P
Random copolymers, 2329P
Random phase approximation (RPA), 1191P
Random terpolymers, 1161P
Rare earth halides, 1339C
Rate enhancement, 1857C
Reaction calorimetry, 3813C, 3827C, 3837C
Reaction injection molding, 3027C, 3049C, 865P
Reaction medium, 2711C
Reaction temperature, 1381C
Reactive polyester, 3561C
Reactive polymer, 3791C
Reactivity ratios, 193C, 3571C
Recrystallization, 1415P
Redox active polymer, 3365C
Redox initiation, 3141C
Redox-active polymer, 1967C
Reduced stress, 2391P
Reduced viscosity, 1433P
Reduction, 2759C
Reductive coupling, 715C
Reflectance, 2057P
Refractive index, 2057P
Regiocontrolled polymer, 2259C
Relaxation behavior, 1963P
Relaxation frequency, 1191P
Relaxation measurements, 695C
Relaxation times distribution, 2483P
Relaxations, 1439P
Release of strain energy, 741C
Reptation, 1P
Resist, 77C, 3543C
Retardation specturm, 2543P
Reversible gel, 2049C
Rheology, 2503P, 2535P
Rhodium and ruthenium catalysts, 3299C
Rigid-body least-squares method, 193P
Rigid-rod polymer, 3451C, 3457C, 2925P
Ring opening metathesis polymerization, 2917C
Ring opening polymerization, 219C, 2177C
Ring-opening copolymerization, 377
Ring-opening metathesis polymerization, 2323C, 3027C, 3049C, 91P
Ring-opening polymerization, 183C, 399C, 485C, 879C, 1563C, 1753C, 1901C, 2207C, 2961C, 3655C, 3853C
Ring-retained polymerization, 485C
Ring-strain, 1375C
ROMP, 91P
Rotating frame, 2551P
Rotational barrier, 919P
Rouse model, 1P
Rubber, 2961C, 2715P
Rubber elasticity, 817P, 1919P
Rubber-modified polymers, 3027C, 3049C
Rubber-toughened epoxies, 1167P
Rubbery polymer, 1049P
Ruthenium, 1265C
Rutile, 1793P

Saccharin, 3327C
SALLS, 1843P, 2689P
SALS, 199P
Salts, 2571P
Samarium, 1265C
Samarium iodide, 715C
Samarium poly(oxamide) polyanions, 1381C

Sanidic layers, 947C
SANS, 2765P
Saponification, 55C
Saponite, 2289C
Saturation constant, 631C
SAXS, 535P, 2629P, 2689P, 2857P
SBS, 965C
SBS block copolymers, 2003P, 2017P
Scaling, 2559P
Scattering, 689P
Scission, 3083C
SCLC polyurethanes, 2871C
SCORIM, 241P, 265P, 415P
Scratch, 1295P
Screening length, 1013P
SEBS, 2857P
SEC methodology, 2035C
Second harmonic generation, 2795P
Secondary amine, 2035C
Secondary γ mechanism, 1545P
Sedimentation analysis, 3847C
Segmental motion, 1241P
Segmented copolymers, 3506C
Selective coupling, 2259C
Selective halogenation and oxidation, 1413C
Selective reduction of aromatic nitro groups, 1149C
Self-assembly, 849P
Self-association, 3847C
Self-consistent field theory, 945P
Self-diffusion, 1933P, 1943P
Self-optimization, 533C
Self-polyaddition, 1333C
SEM, 3117C
Semiaromatic amorphous polyamides, 807
Semicrystalline, 2715P
Semicrystalline amorphous, 2121P
Semicrystalline morphology, 2565P
Semi-crystalline polymer, 605C
Semicrystalline polymer blends, 1383P
Semi-interpenetrating polymer networks, 3117C
Semi-IPN, 3561C
Semi-IPNs, 2495P
SEP stabilizer, 2539C
Sequence distributions, 2757P
Sequence length, 193C
Sequence randomness, 309P
Serine, 1901C
Seven-membered cyclic carbonate, 1375C
Seven-membered cyclic sulfite, 1007C, 3235C, 3673C
Shape memory, 2543P
Shear yielding, 1295P
Sheet mapping, 777P
Shelf-life, 1039C
Shell-core morphology, 3027C
Shishkebab morphology, 265P
Side chains, 1107P
Side-chain liquid crystalline polymers, 1491P
Side-chain liquid–crystalline polymer, 699P
Silacyclobutane, 3207C
Silanes, 2063P
Silicon, 2387C
Silicon tetrachloride, 3393C
Silicon-containing vinyl ether, 3217C
Silk fibroin, 1955C, 1405P, 2293P
Silsesquioxane, 407C
Silyl aldol polymerization, 163C
Simulation, 2715P
Simultaneous interpenetrating networks, 1973P
SIN, 227, 1973P
Single ion transport mechanism, 225P
Single radicals, 2347C
Single-ion conductor, 2719C
Singlet oxygen, 2599C
Site binding, 33P
Six-membered cyclic sulfile, 3235C
Size exclusion chromatography, 3847C, 141P
Slippage, 2715P
Small molecules, 2397P
Small-angle light scattering, 937P
Small-angle X-ray scattering, 2653P, 2787P
Small-angle x-ray scattering, 2913P
Small-molecule diffusion, 2795P
Smectic, 1105C
Smectic organization, 2569C
SmI_2, 2821C
SO_2 sorbents, 2411C
Sodium tetrasulfide, 1363C
Sodium trisulfide, 1369C
Software, 2715P
Sol-gel, 1293C
Sol-gel process, 2295C, 2403C
Solid state consolidation, 1061C
Solids NMR, 695C
Solid-state ^{13}C-NMR spectroscopy, 2231C
Solid-state ionic conductivity, 225P
Solid-state polymerization, 1621C, 1973C
Solid-state reaction, 789P
Solubility, 1353C, 1673C, 2273C, 2453C, 3527C, 2245P, 2385P
Solubility parameters, 1135P
Soluble optically active azo copolymethacrylate, 9C
Soluble polypyrrole, 3689C
Solution, 2421P
Solution imidization, 2239C, 2981C
Solution polycondensation, 2379C
Solution properties, 141P
Solution property, 3527C
Solution spinning, 173P
Solvation, 33P
Solvent, 1251P
Solvent effect, 1515C, 2003P
Solvent effects, 515C, 2311C
Solvent-resistibility, 3065C
Sonication, 1843P
Sorption, 91P, 133P, 655P, 725P, 993P
Sorption and diffusion coefficient of oxygen, 639P
Sorption property, 2259P
Spandex fiber, 1821P
Specific interfacial area, 1313C
Speckle, 937P
Spectral analysis, 3227C
Spectroscopy, 2843P
Spherulite, 427C
Spin-coated films, 2441C
Spinnability, 1955C
Spinodal decomposition, 897P
Spiroacetal, 2487C
Spirobichroman, 1479C, 1487C, 2801C
Spontaneous, 2787C
Spontaneous Copolymerization, 3735C
Spun fibers, 889P
Stability, 385C, 293P
Stability of glycogen–iodine complex, 1409C
Staining, 2565P
Standard reference materials, 2409P
Stannous octoate, 219C, 3431C
Star, 563P,
Star polymer, 3393C
Star polymers, 141P, 587P
Star-branched polymers, 2503P
Star-graft copolymers, 673C
Star-shaped, 3403C
State transformation, 699P
Statistical heterogeneity, 1161P
Statistical theory, 1919P
Stereocopolymerization, 1651C
Stereoregular nylons, 3645C
Stereoregular polyamides, 3645C
Stereoregularity, 1135P
Stereoselectivity, 1535C
Stereosequences, 1651C
Stereospecific polymerization, 721C
Steric effect, 1891C
Steric stabilizer, 2009C
Storage elastic modulus, 2289C
Strain, 545P
Strain rate, 1611P
Stress relaxation, 1167P
Stress-strain curve, 2715P

Stress–strain, 213P, 517P
Stress–strain behavior of rubber, 1919P
Stretched exponential relaxation, 1225P
s-Triazine ring, 1077C
Strong segregation theory, 2653P
Structural adhesives, 2943C
Structural analysis, 3409C
Structural changes, 1201P
Structural colored polymer, 1069C
Structural evolution, 2363P
Structural relaxation, 2201P
Structural self-quenching effect, 1087C
Structural transitions, 789P
Structure, 695C, 3619C, 2523P
Structure relationships, 107P
Structure–properties relationship, 889P
Structure–reactivity relationships, 2889C
Styrene, 989C, 1857C, 2311C, 2549C, 2561C, 2689C, 2813C, 2955C, 3393C, 3813C, 3837C
Styrene and acrylonitrile copolymer, 2049P
Styrene polymerization, 2907C, 3341C
Styrene-(*Z*)-1,3-pentadiene, 2697C
Styrene–acrylonitrile copolymer, 2201P
Styrene–carbon monoxide copolymer, 1283C
Styrenics, 329C
styryl group, 271C
Substituted PEEKs, 2355P
Substrate temperature, 1449P
Sucrose diacrylate, 2221C
Sugar Polyamides, 3645C
Sulfhydryl compounds, 795C
Sulfonated polystyrene Ionomer, 1291P
Sulfonation, 2133P
Sulfur, 2961C
Superabsorbent, 799C, 2029P
Supercritical fluids, 523P
Superposition, 1167P
Superstructure, 213P, 389P
Supported catalysts, 1C
Supported titanium catalyst, 2063C
Supramolecular architecture, 137C
Surface carboxyl group, 581C
Surface enrichment of segment, 2239C
Surface forces apparatus, 2961P
Surface graft polymerization, 747C
Surface grafting, 581C
Surface hydroxylation, 1227C
Surface modification, 171C, 1499C, 3467C, 1651P, 1793P
Surface properties, 2239C
Surface reactivity assay, 3779C
Surface reduction, 1227C
Surface stresses of elastic networks, 2391P
Surface tension, 2239C, 407P
Surface wet chemistry, 1227C
Surface wet-chemistry, 3779C
Surfaces, 347P
Surfactant-free colloid, 1593P
Surfmers, 2561C
Suspension polymerization poly(amic acid) suspension, 3335C
Swelling, 795C, 725P, 817P, 1747P
Swelling activity parameter, 817P
Swelling behavior, 1635C
Swelling kinetics, 1747P
Swelling transition, 3377C
Switching voltage, 1373P
Syndiotactic polystyrene, 133P, 1055P
Syndiotactic PVA, 1701P
Syndiotactic sequence, 1701P
Syndiotacticity, 1701P
Syndiotacticity-rich HMW PVA, 55C
Synthesis, 123C, 197C, 385C, 407C, 769C, 1303C, 1353C, 2137C, 2619C, 3697C, 799P, 2355P
Synthetic mica, 2289C

Tacticity, 393C
Tacticity, 721C
Tactoids, 389P
Taft correlation, 2889C
Tear strength, 2017P
Tear test, 2003P
Telechelic oligomer, 3255C
Telechelics, 1733C
TEM, 2565P, 2629P, 2857P
Temperature dependence, 2503P
Temperature dependence of the normalized crystallization rate constant, 359P
Temperature perturbation, 2075C
Temperature responsiveness, 1535C
Temperature-induced phase transition, 595P
Temperature-modulated calorimetry, 1877P
Temperature-modulated differential scanning calorimetry, 1877P
Temperature–frequency superposition, 1241P
Template polymer, 3729C
TEMPO, 1857C
Tensile and thermomechanical properties, 2231C
Tensile deformation, 2151P
Tensile drawing, 2465P
Tensile force, 689P
Tensile modulus, 2157C
Tensile strength, 2157C, 2453C
Terbium, 393C
Terephthalate, 2465P
Terephthalic acid process, 889P
Terephthaloyl chloride, 3227C
Terminal viscosity, 2503P
Termination rate constant, 153C, 1891C
Ternary polymer blends, 897P
Terpolymerization, 2549C
Terpolymerization kinetics, 1659C
Tetrabutyl titanate, 2403C
Tetraethoxysilane, 2403C
1,4,5,6-Tetrahydropyrimidine, 2411C
Tetra-phenyl cobaloxime boron fluoride (COPhBF), 859C
Tetraphenylethane derivatives, 1237C
TGA, 2453C, 1993P
TGDDM epoxy, 2141P
Theoretical kinetics, 1711P
Theory of network formation, 651C
Thermal activation, 1611P
Thermal analysis, 1033C, 875P
Thermal and mechanical properties, 1311P, 2363P
Thermal anisotropy, 1621P
Thermal behavior, 547C, 2689P
Thermal blob, 1989P
Thermal cure, 587C
Thermal degradation, 3017C
Thermal diffusivity, 1621P, 1869P
Thermal expansion, 2289C
Thermal expansion coefficient, 2441C, 2945P
Thermal latency, 1333C
Thermal latent initiator, 689C
Thermal properties, 493C, 2865C, 3227C, 1383P
Thermal properties on poly(zwitterions), 479P
Thermal stability, 1077C, 1303C, 1353C, 1431C, 2157C, 2259C, 2267C, 2323C, 2371C, 2917C
Thermal stimulated current, 2793C
Thermal treatment, 2769C
Thermally curable, 2395C
Thermally stable polymers, 1061C
Thermally stimulated currents, 2121P
Thermally stimulated depolarization current, 2483P, 2879P
Thermodegradation, 1283C

Thermodynamic interaction, 1049P
Thermodynamic parameter, 1719C
Thermodynamics, 553P, 817P, 2329P, 2889P
Thermogravimetric analysis, 143C
Thermooxiative stability, 3451C
Thermooxidation, 1689C
Thermooxidative stability, 2387C
Thermoplastic, 153P
Thermoplastic elastomers, 3507C
Thermoplastic polymer, 331P
Thermoplastics, 1899P
Thermo-responsive gel, 3075C
Thermorheological complexity, 599P, 2543P
Thermosensitive, 1967C
Thermosensitive hydrogels, 3377C
Thermosensitive polymer, 1329C
Thermosensitive polymer microspheres, 3349C
Thermosensitive property, 1763C, 3087C
Thermoset, 1873C
Thermosetting plastic, 3125C
Thermostability, 605C
Thermotropic polyesters, 769C
Theta solvent, 2961P
Thickness effects, 1463P
Thin film, 2253C
Thiopolyesters crosslinkable with sulfur, 2231C
Three-component polycondensation, 1211C
Three-dimensional orientation functions, 777P
Threshold fracture energy, 2017P
2d Time-domain analysis, 2551P
Tishchenko type reactions, 1265C
Tishchenko-type polyaddition, 2821C
Titanium oxidation state, 2645C
Titanium tetrachloride, 727C
TMC, 1877P
TMDSC, 1877P
Topographical feature, 1145P
Topography, 2239C
Topological constraints, 1833P
Tough–brittle transition, 1311P
Transacetalization, 1733C
Transamidation, 2169P
Transamidation carbamate, 2183P
Transcrystallinity, 2429P
Transesterification, 225P, 2161P, 2169P, 2183P
Transimidization, 1095C
Transition metal catalyst, 475C
Translational diffusion coefficient, 85P
Transmission electron microscopy, 1067P, 2653P
Transport, 655P, 993P
Trapping, 963P
Traveling waves, 1047C
Triazene chromophore, 3017C
Triblock copolymer, 2811P
Triepoxide, 437P
Trifluoropropyl side chain, 3079C
Trimellitic anhydride, 1711C
3-[3,3,3-Trimethyl-1,1-bis (trimethylsiloxy) disiloxanyl]propyl methacrylate, 3571C
Trimethylolpropane, 3409C
Trimethylolpropane esterification degre, 3409C
Trimethylsilyl benzoate, 1999C
Trioxane, 2479C
Triphenyl phosphite, 2421C
Triphenylamine derivatives, 1909C
Triton X-405, 3813C, 3827C, 3837C
TSC, 2121P, 2901P
TTT cure diagram, 371P
Tungsten carbene complex, 475C
Turbidity titration, 817C
Tussah silk, 841P
Two-phase materials, 1167P

Ullmann ether synthesis, 521C
Ultimate properties, 233P
Ultrafine particles, 1329C
Ultra-high modulus and molecular weight polyethylene fibers (UHMWPE), 623P
Ultrasound degradation, 2379P
Ultrastructure, 3181C
Ultrathin polymer films, 2795P
Ultraviolet irradiation, 137C
Ultraviolet light irradiation, 2259P
Unfunctionalized Olefins, 3249C
Uniform size, 2747C
Unit-cell density, 2511P
Unit-cell parameters, 2511P
Unoccupied volume and partition of, 639P
Unsaturated polyester, 27C, 35C, 2447P
Unsaturated polyester resin, 3161C, 3169C, 371P
Unsymmetric Schiff base monomer, 3249C
Unzipping reaction, 77C
Uranium extraction, 2935C
Uranyl ion, 2935C
Uranyl nitrate–polymer complex, 889C
Urea, 2169P, 2183P
UV absorption, 3079C
UV curing, 407C
UV light, 1499C
UV-irradiation, 3683C
UV-laser ablation, 1185P

Valence tautomers, 3027C
Variable chain lengths, 897P
Vibration, 937P
Vinyl acetate, 1659C
1,2-Vinyl addition polymerization, 3655C
1,2-Vinyl addition polymerization, 3707C
Vinyl ether, 255C, 751C, 1563C
Vinyl ethers, 263C
2-Vinyl-4,4-dimethyl-azlactone, 3603C
Vinylbenzyl chloride, 1237C
4-Vinylcyclohexene, 2759C
Vinylcyclopropanone cyclic acetal, 2501C
2-Vinyldibenzothiophene, 2813C
Vinylic monomers, 171C
Vinylidene, 3083C
Vinylidene fluoride, 1651P
4-Vinylpyridine, 2787C
Vinylsilane, 3517C
Viscoelastic behavior, 1955C
Viscoelastic diffusion, 2103P
Viscoelasticity, 599P
Viscometry, 141P
Viscosity, 563P, , 1933P, 1943P, 2421P, 2571P, 2961P
Vitrification, 371P
Volatile free thermosetting matrix, 2943C
Volume and enthalpy recovery, 929P
Volume change, 2151P
Volume expansion, 3673C
Volumetry, 3409C
von Mises, 1611P
VPi, 55C

Water, 2711C
Water, 655P, 993P, 2659P
Water soluble, 243C
Water sorption, 2879P
Water-resistant regenerated cellulose film, 2495P
Water-soluble, 231C
Water-soluble copolymers, 1181C
Water-soluble inhibitor, 807C
Water-soluble polymers, 1219C, 1933C, 3087C
Water-soluble polypyrrole, 1255C
WAXD, 1993P, 2689P
WAXS characterization, 1055P
Wettability, 137C, 407P
Wide-angle x-ray diffraction, 1423P
Wide-angle X-ray scattering, 2457P
WLF equation, 359P, 599P

Wood adhesive PF resins, 3275C

XPS, 1993P
XPS analysis, 1227C
^{129}Xe, 2681P
X-ray, 535P
X-ray diffraction, 193P, 2219P
X-ray photoelectron spectroscopy (XPS), 2049P
X-ray scattering, 2925P
X-ray structural analysis, 1677P
X-ray structure, 1753C
XRD, 3117C
Xylenols, 1389C

Yield, 213P
Yield, 545P
Yield criterion, 1611P

Ziegler-Natta catalysts, 1C
Ziegler–Natta catalyst, 2769C
Ziegler–Natta polymerization, 2697C
Zinc, 2787C, 3729C
Zinc chloride, 581C
Zirconocene, 1C
$ZnCl_2$, 353
Zwitterionic, 231C, 243C